73732

From:

Hashemi, Shar

Sent:

Monday, August 19, 2002 11:21 PM

To: Subject:

STIC-Biotech/ChemLib

Please search ALL NA including Pending SEQ. ID NO: 9, 29-31, 33 (five sequences) for

application 10/077,383

Please search ALL NA including Pending SEQ. ID NO: 9, 29-31, 33 (five sequences) for application 10/077,383

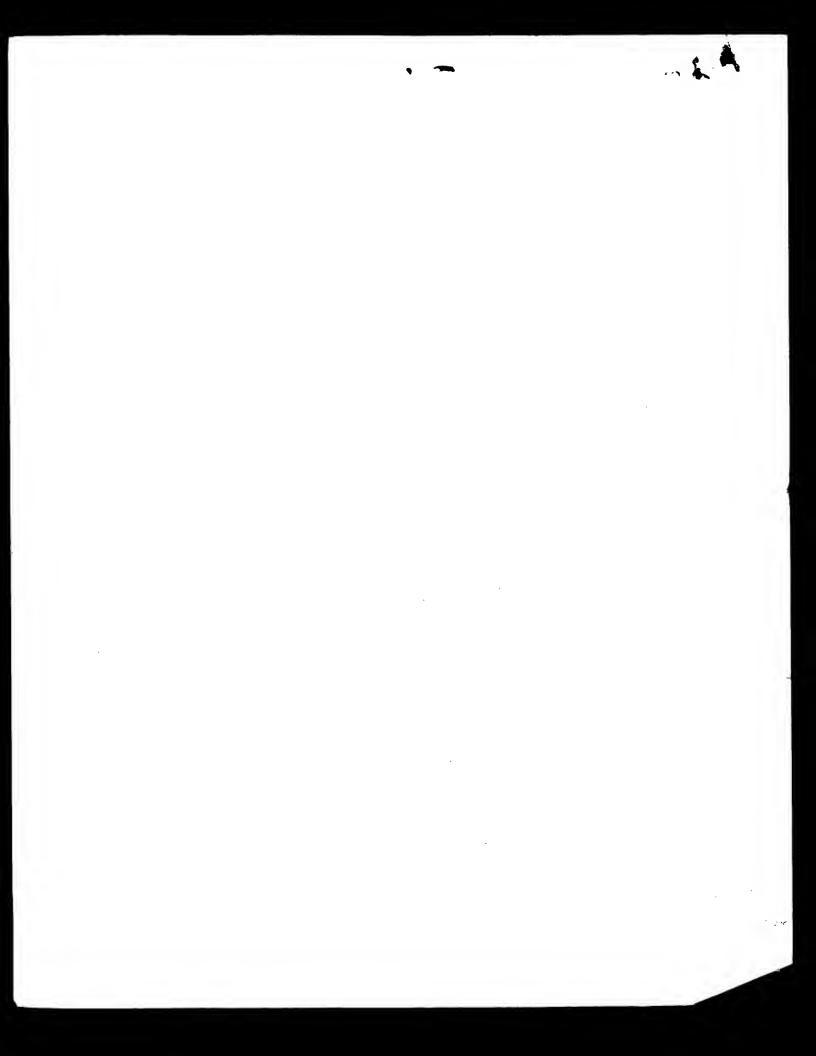
Thanks, Examiner Hashemi CM1 12D04 703-305-4840

> The segs. disclosed for Seg. IDs 9,30 \$ 33 consists only of "N"s; therefore, no query match > 0 was jocated/retrieved. Beverly 1E05 C8-4994

Searcher:
Phone:
Location:
Date Picked Up:
Date Completed:
Searcher Prep/Review:
Clerical:
Online time:

TYPE OF SEARCH:
NA Sequences:
NA Sequences.
AA Sequences:
Structures:
Bibliographic:
Litigation:
Full text:
Patent Family:
Other:

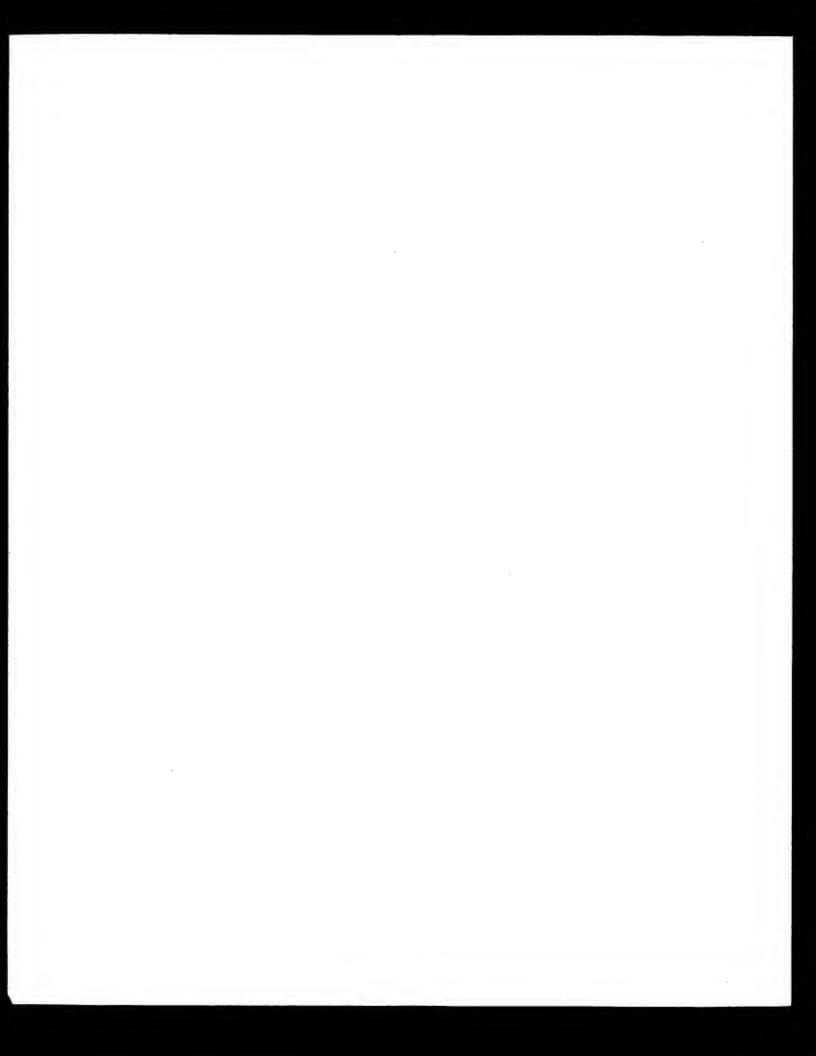
VENDOR/COST (where ap	plic.)
STN:	
DIALOG:	
Questel/Orbit:	
DRLink:	
Lexis/Nexis:	
Sequence Sys.:	
WWW/Internet:	
Other (specify):	



Requestor's Serial Number: Date: Phone: Art Unit: Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevent citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevent claim(s).

S	TAFF USE ONLY	
Date completed: 08-26-02	Search Site	Vendors
Searcher: Beverly c 4994	STIC	IG
Terminal time: 20	CM-1	STN
Elapsed time:	Pre-S	Dialog
CPU time:	Type of Search	APS
Total time: 28	N.A. Sequence	Geninfo
Number of Searches:	A.A. Sequence	SDC
Number of Databases:	Structure	DARC/Questel
	Bibliographic	Other CGN

PTO-1590 (9-90)



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(without alignments) 50.110 Million cell updates/sec
                                                                                                                           August 24, 2002, 19:59:22; Search time 8635 Seconds
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GenCore version 4.5
Copyr1ght (c) 1993 - 2000 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
                                                                                 OM nucleic - nucleic search, using sw model.
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Maximum DB seq length: 200000000
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/ cgn2_6/prodata/2/pna/180966_COMB.seq:

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/ cgn2_6/prodata/2/pna/18098A_COMB.seq:

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/ Cgn2_6/ptodata/2/pna/FCTUS_COMB.seq:*
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/cgn2_6/ptodata/2/pna/US6000_COMB.seq:
/cgn2_6/ptodata/2/pna/US6001_COMB.seq:
/cgn2_6/ptodata/2/pna/US6002_COMB.seq:
/cgn2_6/ptodata/2/pna/US6003_COMB.seq:
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/cgn2_6/ptodata/2/pna/US096A_COMB.seq:*
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Pred. No. 1s the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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	ID	PCT-US93-00977-702	PCT-US93-00977-702	17	-068	US-08-154-792A-9	4-7	-154-7	-15	63-4	-163-44	US-08-163-449A-24	-163-	208-57	208-5	237-491	-237-4	-757B-7	6-1	77-650-7	177-	-60	-306-333A-1	-625-102-32	-625	-625-1	US-09-625-102-446	09-625-102-	19-625-102-	9-60	US-09-625-102-603	US-09-625-102-614
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Sequence 51773, A
Sequence 51773, A
Sequence 51841, A
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                                                                                                                  Sequence 1352,
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                                                                                                                                                                                                                                                                        Sequence 702, Application PC/TUS9300977; GENERAL INFORMATION: TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
                                                                          Sequence Sequence 1
                                                   Sequence Sequence 5
 Sequence
                         Sequence
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            Sequence
                                        Sequence
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                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 711
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson, and Bear
STREET: 620 Newport Center Dr. Sixteenth Floor
CITY: Newport Beach
                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                            US-09-634-306B-51773
US-09-634-306B-51773
                                                US-09-625-102-895
US-09-625-102-982
US-09-625-102-1048
US-09-625-102-1048
US-09-625-102-1048
US-09-625-102-1048
US-09-625-102-1352
US-09-625-102-1352
                                                                                                                                                                     US-09-634-306B-51841
                      US-09-625-102-836
US-09-625-102-895
US-09-625-102-614
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HITACHI.006H
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
                                                                                                                                                                                                                                                                                                                                                                                                                                                  IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: HIT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 702:
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44444444444444
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: NUCLEIC ACID
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
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000000000000000
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PCT-US93-00977-702/c
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                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: US
ZIP: 92660
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PCT-US93-00977-702
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0; Gaps
TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
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GENERAL INFORMATION:
APPLICANT: MUENCHAU, DARYL, ET AL.
TILLE OF INVENTION: METHOD FOR GENERATING APTAMERS OF
TILLE OF INVENTION: NON-PREDETERMINED OR SUBSTANTIALLY
TITLE OF INVENTION: NON-PREDETERMINED SEQUENCES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.0%; Score 0; DB 1; Length 1; 0.0%; Pred. No. 0; 1tive 0; Mismatches 1; Indels
                                                        ADDRESSEE: Knobbe, Martens, Olson, and Bear STREET: 620 Newport Center Dr. Sixteenth Floor CITY: Newport Beach
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Rclease #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: PCT/US93/00977 FILING DATE: 19930129
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                                                                                                                                                                                                                            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: HIT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 714-760-9502
INFORMATION FOR SEQ ID NO: 702:
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STREET: 611 West Sixth St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: CDNA to mRNA
                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
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TYPE: NUCLEIC ACID
STRANDEDNESS: double
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                      NUMBER OF SEQUENCES: 7:
CORRESPONDENCE ADDRESS:
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CLASSIFICATION: 435
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CA
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Matches 0; Conserva
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PCT-US93-00977-702
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17, Application US/08068298
GENERAL INRORATION:
APPLICANT: MUENCHAU, DARYL, ET AL.
TITLE OF INVENTION: METHOD FOR GENERATING APTAMERS OF
TITLE OF INVENTION: MON-PREDETERMINED OR SUBSTANTIALLY
TITLE OF INVENTION: NON-PREDETERMINED SEQUENCES
NUMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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                                                                                     193/051
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REGISTRATION NUMBER: 32,212
REFERENCE/DOCKET NUMBER: 193/051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
FILING DATE: February 21, 1991 ATTORNEY/AGENT INFORMATION:
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APPLICATION NUBER:
FILING DATE: FEDTUARY 21, 1991
ATTORNEY/AGENT INFORMATION:
                                    NAME: CONSALVI, MARY S
REGISTRATION NUMBER: 32,212
REFERENCE/DOCKET NUMBER: 193
TELECOMMUNICATION INFORMATION:
TELEPHONE: 213-489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: 213-489-1600
TELEPAX: 213-955-0440
INPORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
                                                                                                                                 TELEFAX: 213-955-040
INPORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 611 West Sixth St.
                                                                                                                                                                                                                                                                         TOPOLOGY: 11near
MOLECULE TYPE: nucleic acid
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                                                                                                                                                                                                        4: 1 base pairs
nucleic acid
DEDNESS: single
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TYPE: nucleic acid
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Kolodner, Richard D.
APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TITLE OF INVENTION: and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENTE ADDRESS:
ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS &
ADDRESSEE: CUSHMAN
                                                                                                                                                        1; Indels
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                                                                                                       Query Match 0.0%; Score 0; DB 4; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
; OTHER INFORMATION: where N also may be isoguanine or OTHER INFORMATION: isocytostine US-08-068-298-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/154,792A FILING DATE: 17-NOV-1993 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                           Sequence 9, Application US/08154792A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               % GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/OCCKET NUMBER: 4482.
TELECHONE: (617) 523-3400
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
TELEFAX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Kolodner, Richard D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-154-792A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      130 Water Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
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EDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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GENERAL INFORMATION:
APPLICANT: Rolodner, Richard D.
APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Gene Products,
TITLE OF INVENTION: and Uses Therefor
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TITLE OF INVENTION: and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS & ADDRESSEE: CUSHMAN
                                                                                      NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: David & Conlin; DIKE, BRONSTEIN, ROBERTS & ADDRESSEE: CUSHMAN
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                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
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REGISTRATION NUMBER: 34,235
REGISTRATION NUMBER: 44824
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 523-5440
TELEFAX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-154-792A-9
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                                                                                                                                                                        130 Water Street
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STRANDEDNESS: single
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MEDIUM TYPE: Floppy of
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US-08-154-792A-24
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CORRESPONDENCE ADDRESS:
ADDRESSE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS & ADDRESSEE: CUSHMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Mismatch Repair Genes, Gene Products, TITLE OF INVENTION: and Uses Therefor
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PR-DOS/MS-DOS
SOFTWARE: PAtentIn Release #1.0, Version #1.25
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17-NOV-1993
APPLICATION NUMBER: US/08/154,792A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 24, Application US/08154792A GENERAL INFORMATION:
                                                                                        REGISTATION NUMBER: J., REFERENCE/DOCKET NUMBER: J., LECOMMUNICATION INFORMATION: TELEFONE (617) 523-5400
TELEFONE: 200291 STRE UR
FELERAX: 200291 STRE UR
SEQUENCE CHARACTELICS: LENGTH: 1 base pairs
FELEGTH: 1 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kolodner, Richard D. APPLICANT: Reenan, Robert A.G. APPLICANT: Fishel, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/OCKET NUMBER: 4482.
TELECOMONINICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
TELEFAX: 200291 STRE UR
INPORMATION POR SEO ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                     NAME: Resnick, David S. REGISTRATION NUMBER: 34,235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34,235
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; MOLECULE TYPE: DNA (genomic)
US-08-154-792A-24
                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: RESINCK, DAVID S.
REGISTRATION NUMBER: 34,2
                                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              130 Water Street
                 FILING DATE: 17-NOV-1993
CLASSIFICATION: 435
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APPLICATION NUMBER: US,
FILING DATE: 17-NOV-19
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
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US-08-163-449A-24
                                                                                                                                                           COUNTRY:
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Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                     Sequence 9, Application US/08163449A
GENERAL INFORMATION:
APPLICANT: Recent, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,449A
FILING DATE: 07-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: DAVID G. CONLIN; DIKE, ERONSTEIN, ADDRESSEE: ROBERTS & CUSHMAN STREET: 130 Water Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         44824-CIP-2
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GENERAL INFORMATION:
APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Resnick, David S.
REGISTRATION NUMBER: 34,234
REFERENCE/DOCKET NUMBER: 44824
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-5400
TELERAX: (617) 523-640
TELERX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
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ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy disk
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US-08-163-449A-9/C
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TITLE OF INVENTION: INSERT GENARCH REPAIR CENES, GENE
TITLE OF INVENTION: AND USES THEREOR
NUMBER OF SEQUENCES, 44

TOTALE OF INVENTION: AND USES THEREOR
NUMBER OF SEQUENCES, 44

CORRESPONDENCE ADDRESS:
ADDRESSEE: DAVID G. CONLIN, DIRE, BRONSTEIN,
STREET: 130 WARTER SELVENCE
CONTRY: DASA
CONTRY: DASA
CONTRY: TRANSPACE FORM:
THE STREET: 130 WATER STREET
CONTRY: TRANSPACE FORM:
CONTRY: TRANSPACE FORM:
THE CONTRY: TROMATION RELEASE 11.0, Version 11.25
CONTRY: TROMATION NUMBER: US/08/163/49A

CLASSIFTRATION NUMBER: 4424-CIP-2
TELECHOWING (GIT) 253-3400
TELER: COORDING: (GIT) 253-3400
TITLE OF INVENTION: MISWARGH AND TO TELER: TREET

COORDING: (GIT) 253-3400
TITLE OF INVENTION: MISWARGH AND TO TELER
TOTAL AND TO TELER: TREET
TITLE OF INVENTION: MISWARGH AND TO
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Gaps

0; Gaps

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Sequence 10, Application US/08208572
GENERAL INFORMATION:
APPLICANT: Silberstein Ph.D., David S.
APPLICANT: Balcewicz-Sablinska M.D., Maria K.
APPLICANT: Newman Ph.D., Gale W.
TITLE OF INVENTION: CONTROL OF HIV GROWTH WITH ECEF AND
                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Silberstein Ph.D., David S.
APPLICANT: Balcewicz-Sablinska M.D., Maria K.
APPLICANT: Newman Ph.D., Gale W.
TITLE OF INVENTION: CONTROL OF HIV GROWTH WITH ECEF AND
TITLE OF INVENTION: ECEF
TITLE OF INVENTION: DERIVATIVES
NUMBER OF SEQUENCES: 14
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                                                                   Score 0; DB 5; Length 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                     Query Match 0.0%; Score 0; DB 5; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: CHOATE, HALL, & STEWART
STREET: Exchange Place, 53 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Kaplan Esq., Warren A.
RECESTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: 092662-002
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/208,572
                                                                                                                                                                                                                                                                                                                                            Sequence 10, Application US/08208572 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (617) 227-5620
TELEPAX: (617) 227-7566
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
TYPE: nucleic acid
STERMATICS CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; MOLECULE TYPE: DNA (genomic) US-08-208-572-10
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
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US-08-163-449A-24
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,449A
FILING DATE: 07-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Kolodner, Richard D.
APPLICANT: Renean, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: MISMATCH REPAIR GENES, GENE
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ADDRESSEE: ROBERTS & CUSHMAN STREET: 130 Water Street
                                                                                                                                           TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELEPHONE: (617) 523-6440
TELETAX: (617) 523-6440
TELETAX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 Dase pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
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APPLICATION NUMBER: US/08/163,449A FILING DATE: 07-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-163-449A-24/c; Sequence 24, Application US/08163449A; GENERAL INFORMATION:
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COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELECOMOUNICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: 0.0291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 Dase palrs
TYPE: nucleic acid
STREE: nucleic acid
STREE: nucleic acid
                                                                                           NAME: Resnick, David S.
REGISTRATION NUMBER: 34,234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Resnick, David S. REGISTRATION NUMBER: 34,234
                                                                                                                                                                                                                                                                                                                                                                                                                        ; MOLECULE TYPE: DNA (genomic) US-08-163-449A-24
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ATTORNEY/AGENT INFORMATION:
                                                                           ATTORNEY/AGENT INFORMATION:
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                                             CLASSIFICATION:
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APPLICANT: Sellhamer, Angelo
APPLICANT: Delegeane, Angelo
APPLICANT: Jernigan, Colleen
APPLICANT: Levine, Wendy B.
TITLE OF INVENTION: SHEAR-STRESSED HUMAN UMBILICAL VEIN
TITLE OF INVENTION: BNDOTHELIAL CELLS
CORRESPONDENCES: 7326
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.0%; Score 0; DB 6; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBA PC COmpatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
TITLE OF INVENTION: ECEF
TITLE OF INVENTION: DERIVATIVES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHOATE, # STEWART
STREET: Exchange Place, 53 State Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 424
ATTORNEY AGENT INFORMATION:
NAME: Kaplan Esq., Warren A.
REGISTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: 092662-002
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/237,491
FILING DATE: Concurrently herewith
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/208,572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6868, Application US/08237491 GENERAL INFORMATION:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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F: 2730 Sand Hill Road
Menlo Park
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: DNA (genomic) US-08-208-572-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (617) 227-5020
TELEPAX: (617) 227-7566
INFORMATION FOR SEQ ID 0: 10: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         slugle
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TYPE: nucleic acid
                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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                                                                                                                                                                              USA
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                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: U. ZIP: 94025
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2: /cgn2_6/ptodata/2/pna/USO_NEW_COMB.seq:*

3: /cgn2_6/ptodata/2/pna/USO_NEW_COMB.seq:*

4: /cgn2_6/ptodata/2/pna/USO_NEW_COMB.seq:*

5: /cgn2_6/ptodata/2/pna/USO_NEW_COMB.seq:*

6: /cgn2_6/ptodata/2/pna/USO_NEW_COMB.seq:*

7: /cgn2_6/ptodata/2/pna/USO_NEW_COMB.seq:*

8: /cgn2_6/ptodata/2/pna/USO_NEW_COMB.seq:*

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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                             1737567 seqs, 1364410299 residues
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 1.0
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Maximum DB seq length: 2000000000
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20
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Perfect score:
Sequence:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	u C	:	51773,	51773,	51841,	51841,	52001,	52001,	52051,	52051,	52156,	52156,	52157,	52157,	52177,	52177,			52240,	52240,	52272,			52624,		5264	52668,	
	Description		Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Seguence	Sequence								
	ID		US-10-027-632-51773	US-10-027-632-51773	US-10-027-632-51841	US-10-027-632-51841	US-10-027-632-52001	US-10-027-632-52001	US-10-027-632-52051	US-10-027-632-52051		US-10-027-632-52156	US-10-027-632-52157	US-10-027-632-52157	US-10-027-632-52177	US-10-027-632-52177	10-027-632-	US-10-027-632-52215	US-10-027-632-52240	US-10-027-632-52240	US-10-027-632-52272	-10-027-632-5	-632-	US-10-027-632-52624	US-10-027-632-52642	-10-027-632-5	US-10-027-632-52668	
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		a porto 808080808686	Similarity 0 0; Conservati		RESULT 2 US-10-027-632-51773/c ; Sequence 51773, Application US/10027632 ; GENERAL INFORMATION: ; APPLICANT: Wang, David G. ; TITLE OF INVENTION: Identification and Mapping
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PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,356
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
                                                                                                                                                                                          Sequence 51841, Application US/10027632 GENERAL INFORMATION:
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                                                                                                                                                                 US-10-027-632-51841/c
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APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REPERBERCE: 108827.193

CURRENT TAILOR OF INVENTION: Polymorphisms in the Human Genome
FILE REPERBECE: 108827.193

CURRENT TAILOR OFFE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-07-12

PRIOR FILING DATE: 2000-04-20

PRIOR FILING DATE: 2000-04-20

PRIOR FILING DATE: 1000-02-24

PRIOR APPLICATION NUMBER: US 60/198,78

PRIOR FILING DATE: 1090-11-33

PRIOR FILING DATE: 1999-09-28

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR FILING DATE: 1999-09-38

PRIOR FILING DATE: 1999-09-38

PRIOR FILING DATE: 1999-09-38

PRIOR FILING DATE: 1999-09-38
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TITLE OF INVENTION: Polymorphisms in the Human Genome TERLE REPERENCE: 108827.129
CURRENT APPLICATION UNMBER: US/10/027,632
CURRENT FILMS DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
                                                                                                                      ; Sequence 51841, Application US/10027632; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Human
US-10-027-632-51773
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US-10-027-632-51841
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APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
TITLE OF INVENTION: Polymorphisms in the Human Genome
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REPRENCE: 108827.130
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT PILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-20
PRIOR FILING DATE: 2000-07-20
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 2000-02-24
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108027.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
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PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198, 676
PRIOR APPLICATION NUMBER: US 60/198, 676
PRIOR APPLICATION NUMBER: US 60/193, 483
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167, 363
PRIOR PLING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167, 369
PRIOR APPLICATION NUMBER: US 60/167, 369
PRIOR PRILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR PLING DATE: 1999-11-23
PRIOR PLING DATE: 1999-10-08
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SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 51841
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SOFTWARE: FastSEQ for Windows Version 4.0
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Gaps

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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.128
CURRENT APPLICATION NUMBER: US/10/027.632
CURRENT FILING DATE: 2002-04-30
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-29
FRIOR PALICATION NUMBER: US 60/198,676
FRIOR FILING DATE: 2000-03-29
FRIOR PALICATION NUMBER: US 60/193,483
FRIOR PILING DATE: 2000-02-24
FRIOR FILING DATE: 1000-02-24
FRIOR FILING DATE: 1000-02-24
FRIOR FILING DATE: 1999-11-23
FRIOR FILING DATE: 1999-108-89
FRIOR APPLICATION NUMBER: US 60/156,358
FRIOR PALICATION NUMBER: US 60/156,363
FRIOR PALICATION NUMBER: US 60/156,363
FRIOR PALICATION NUMBER: US 60/166,002
FRIOR PAPLICATION NUMBER: US 60/156,363
FRIOR PAPLICATION NUMBER: US 60/156,363
FRIOR PAPLICATION NUMBER: US 60/156,002
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108927.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT APPLICATION NUMBER: US/200-204-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: US 60/198,676
PRIOR FILING DATE: US 60/198,676
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                                                                                                                                                                              Query Match 0.0%; Score 0; DB 7; Length 1, Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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Matches 0; Conservative 0; Mismatches
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SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 52001, Application US/10027632; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 52051, Application US/10027632; GENERAL INFORMATION:
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US-10-027-632-52001
                                                 ; TYPE: DNA
; ORGANISM: Human
US-10-027-632-52001
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; SEQ ID NO 52001
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                              LENGTH: 1
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APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: David G.

TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.128
CURRENT FILING DATE: 2002-04-30
PRIOR PRILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-29
PRIOR FILING DATE: 2000-07-29
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 1090-11-23
PRIOR FILING DATE: 1090-11-23
PRIOR FILING DATE: 1090-11-23
PRIOR FILING DATE: 1090-11-23
PRIOR PRILING DATE: 1099-11-23
PRIOR PRILING DATE: 1099-11-23
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               PRIOR APLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR PELING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR PELICATION NUMBER: US 60/146,002
PRIOR PILING DATE: 1999-09-28
PRIOR PILING DATE: 1999-08-09
NUMBER OF SED ID NOS: 335720
SOCTWARE: PASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/146,002 PRIOR FILING DATE: 1999-08-09 NUMBER OF SEO ID NOS: 325720 SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 52051, Application US/10027632 GENERAL INFORMATION:
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PRIOR FILING DATE: 2000-03-29
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                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Human
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US-10-027-632-52051
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0; Gaps

1; Indels

0; Mismatches

0; Conservative

Matches

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0.0%; Score 0; DB 7; Length 1; 0.0%; Pred. No. 0;

Best Local Similarity

Query Match

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GREARAL INCHARATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.123

CURRENT FILE STEERENCE: 108827.120

CURRENT FILE OF INCHARATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/18,676

PRIOR FILING DATE: 2000-07-12

PRIOR FILING DATE: 2000-02-29

PRIOR FILING DATE: 2000-02-29

PRIOR FILING DATE: 1099-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-09-28

PRIOR FILING DATE: 1999-09-28

PRIOR FILING DATE: 1999-00-03

SOFTWARE: FESTEED for Windows Version 4.0

SOFTWARE: FastEED for Windows Version 4.0
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JETLE OF INVERMINE: Identification and Mapping of Single Nucleotide
TITLE OF INVERMINE: Polymorphisms in the Human Genome
TITLE OF INVERTION: Polymorphisms in the Human Genome
TITLE OF INVERTION: Polymorphisms in the Human Genome
TITLE OF INVERMINE: DAMES: US/10/027.632
CURRENT APPLICATION NUMBER: US/10/027.632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-24
PRIOR FILING DATE: 12000-03-24
PRIOR FILING DATE: 12000-01-23
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-109-38
PRIOR PILING DATE: 1999-09-28
PRIOR PILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
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Matches 0; Conservative 0; Mismatches
                                                                                                                                                                                       ; Sequence 52157, Application US/10027632; GENERAL INFORMATION:
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Search completed: August 25, 2002, 00:45:45
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: David G.
TITLE OF INVENTION: David G.
FILE REFERENCE: 108127103
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
FRIOR PRILIK DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-20
FRIOR FILING DATE: 2000-03-29
FRIOR FILING DATE: 2000-03-29
FRIOR APPLICATION NUMBER: US 60/198,676
FRIOR APPLICATION NUMBER: US 60/198,638
FRIOR PLING DATE: 2000-03-29
FRIOR APPLICATION NUMBER: US 60/186,388
FRIOR PLING DATE: 1999-11-23
FRIOR PLING DATE: 1999-11-23
FRIOR APPLICATION NUMBER: US 60/146,002
FRIOR APPLICATION NUMBER: US 60/146,002
FRIOR FILING DATE: 1999-08-08
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: DOLYMORPHISMS in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,6:2
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/218,006
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Pred. No. 0;
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NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52157
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US-10-027-632-52157
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APPLICANT: Wang, David G.

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: David G.

TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFRENCE: 108827.123

CURRENT APPLICATION NUMBER: US/10/027,632

CURRENT APPLICATION NUMBER: US 60/18,006

PRIOR FILING DATE: 2000-07-12

PRIOR FILING DATE: 2000-07-20

PRIOR FILING DATE: 2000-03-20

PRIOR FILING DATE: 2000-03-20

PRIOR FILING DATE: 2000-02-24

PRIOR FILING DATE: 2000-02-24

PRIOR FILING DATE: 1200-11-23

PRIOR FILING DATE: 1999-11-123

PRIOR APPLICATION NUMBER: US 60/15/363

PRIOR FILING DATE: 1999-09-28

PRIOR PAPLICATION NUMBER: US 60/15/363

PRIOR PALLING DATE: 1999-108-108

PRIOR PAPLICATION NUMBER: US 60/15/363

PRIOR PELLING DATE: 1999-09-18
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PRIOR FILING DATE: 2000-04-20
PRIOR PELICATION NUMBER: US 60/193,483
PRIOR PLICATION NUMBER: US 60/195,218
PRIOR PLICATION NUMBER: US 60/185,218
PRIOR PLING DATE: 2000-02-24
PRIOR PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR PILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-10-28
PRIOR FILING DATE: 1999-09-28
PRIOR PLICATION NUMBER: US 60/146,002
PRIOR PLING DATE: 1999-09-28
PRIOR PRIOR PLING DATE: 1999-09-38
PRIOR PRIOR PRIOR OF SEQ ID NOS: 325720
SOFTWARE: PSSESEQ for Windows Version 4.0
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52215
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ORGANISM: Human
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US-10-027-632-52177
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Job time: 12372 sec

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(without alignments)
50.110 Million cell updates/sec
                                                                                                                                       August 25, 2002, 00:32:24; Search time 8635 Seconds
GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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/cgn2_6/ptodata/2/pna/3506_COMB.seq:*
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Maximum Match 100%
Listing first 45 summaries
                                                                                       OM nucleic - nucleic search, using sw model
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Maximum DB seq length: 200000000
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/cgn2_6/ptodata/2/pna/US6008_COMB.seq: /cgn2_6/ptodata/2/pna/US6008_COMB.seq: /cgn2_6/ptodata/2/pna/US6011_COMB.seq: /cgn2_6/ptodata/2/pna/US6011_COMB.seq: /cgn2_6/ptodata/2/pna/US6011_COMB.seq: /cgn2_6/ptodata/2/pna/US6013_COMB.seq: /cgn2_6/ptodata/2/pna/US6014_COMB.seq: /cgn2_6/ptodata/2/pna/US6016_COMB.seq: /cgn2_6/ptodata/2/pna/US6016_COMB.seq: /cgn2_6/ptodata/2/pna/US6016_COMB.seq: /cgn2_6/ptodata/2/pna/US6012_COMB.seq: /cgn2_6/ptodata/2/pna/US6012_COMB.seq: /cgn2_6/ptodata/2/pna/US6012_COMB.seq: /cgn2_6/ptodata/2/pna/US6012_COMB.seq: /cgn2_6/ptodata/2/pna/US6012_COMB.seq: /cgn2_6/ptodata/2/pna/US6012_COMB.seq:

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/cgn2_6/ptodata/2/pna/US6005_COMB.seq:*

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Sequence 6, Appli
Sequence 1, Appli
Sequence 3317, Ap
Sequence 1194, Ap
                                         sequence 807, App
Sequence 807, App
Sequence 908, App
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Sequence 538, App
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Sequence 532893
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Sequence 10, 2
Sequence 11, 2
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US-08-862-610-1
US-08-893-971-2
US-09-281-481-2
US-09-281-481A-2
US-09-857-723-181
                                  US-08-309-335A-807
US-08-531-241A-807
       SUMMARIES
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                 Query
Match Length DB
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/cgn2_6/ptodata/2/pna/JS084_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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/cgn2_6/ptodata/2/pna/US6034_COMB.seq:* /cgn2_6/ptodata/2/pna/US6035_COMB.seq:* /cgn2_6/ptodata/2/pna/US6036_COMB.seq:*

/cgn2_6/ptodata/2/pna/US6025_COMB.seq:*
/cgn2_6/ptodata/2/pna/US6026_COMB.seq:*
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/cgn2_6/ptodata/2/pna/US6028_COMB.seq:*
/cgn2_6/ptodata/2/pna/US6029_COMB.seq:*
/cgn2_6/ptodata/2/pna/US6030_COMB.seq:*

/cgn2_6/ptodata/2/pna/US6022_COMB.seq.* /cgn2_6/ptodata/2/pna/US6023_COMB.seq:* /cgn2_6/ptodata/2/pna/US6024_COMB.seq:* /cgn2_6/ptodata/2/pna/US6031_COMB.seq:* /cgn2_6/ptodata/2/pna/US6032_COMB.seq:* /cgn2_6/ptodata/2/pna/US6033_COMB.seq:*

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Sequence 807, Application US/09263959
Sequence 807, Application US/09263959
Sequence 807, Application:
APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
APPLICANT: Roop, Ber F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UNIMBER OF SEQUENCES: 1279
                                                        DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 21;
                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            : Seed and Berry LLP
6300 Columbia Center, 701 Fifth Avenue
                                                                                                             E: Seed and Berry LLP 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 20; DB 9; I 100.0%; Pred. No. 7.4e+02;
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                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/531,241A FILING DATE: 19-SEP-1995 CLASSIFICATION: 435
                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (206) 622-4900
TELEPEAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                               NAME: McMasters, David D.
REGISTRATION NUMBER: 34,963
REFERENCE/DOCKET NUMBER: 240
TELECOMMUNICATION INFORMATION:
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MEDIUM TYPE: Floppy disk
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APPLICANT: Hood, Leroy E. APPLICANT: Koop, Ben F. APPLICANT: Rowen, Lee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 100. Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and b
                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                             CORRESPONDENCE ADDRESS:
                                                    TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                      Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                    COUNTRY: US
ZIP: 98104-7092
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                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 19
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-263-959-807/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: 1
US-08-531-241A-807
                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Op
                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Hood, Leroy E.
APPLICANT: Koop, Ben F.
APPLICANT: Rowen, Lee
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
CORRESPONDENCE 3 1215
CORRESPONDENCE ADDRESS:
                                                    Sequence 4, Appli
Sequence 46, Appl
Sequence 28, Appl
Sequence 25724, A
Sequence 1242, Ap
                                        Sequence 4, Appli
                                                                                                                                                                    Sequence 364, App
Sequence 60, Appl
Sequence 18866, A
                  Sequence 4, Appli
                                                                                                                                                                                                                             Sequence 66, Appl
Sequence 66, Appl
Sequence 3, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 20; DB 7; Length 21; 100.0%; Pred. No. 7.4e+02; tive 0; Mismatches 0; Indels
                                                                                                           3 US-09-704-424-25724
5 US-09-213-6208-1242
5 US-09-213-620C-1242
8 US-09-411-999-364
3 US-09-411-999-60
9 US-09-605-702-1866
PCT-US94-04705-66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                        US-09-281-481A-4
                US-08-893-971-4
US-09-281-481-4
                                                                       US-08-267-803-46
US-08-469-802-28
                                                                                                                                                                                                                                               US-08-055-985-66
                                                                                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY AGENT INFORMATION:
NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 240052.406
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPHONE: (206) 622-4900
TELEPHONE: (206) 682-6031
INFORMATION FOR SEQ ID NO: 807:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US/08/309,335A
                                                                                                                                                                                                                                                                                                                                                                           US-08-309-335A-807/c; Sequence 807, Application US/08309335A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 98104-10.2
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
COMPUTER: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 807, Application US/08531241A; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
FILING DATE: 19-SEP
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nes 20; Conserv
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                                                                       100.0
100.0
100.0
100.0
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US-08-531-241A-807/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-309-335A-807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
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  STATE:
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SEQ ID NO 908
LENGTH: 22
                                                             TYPE: DNA
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TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids ELE REPERENCE: C1037/7025 (HCL/MAI)
CURRENT APPLICATION NUMBER: US/10/017,935
CURRENT FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: US 60/255,534
PRIOR FILING DATE: 2000-12-14
NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                       Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 20; DB 26; Length 22; 100.0%; Pred. No. 7.4e+02; tive 0; Mismarches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-60-187A-908/C

Sequence 908, Application US/09669187A
GENERAL INFORMATION:
APPLICAMY: Krieg, Arthur M.
APPLICAMY: Schetter, Christian
APPLICAMY: Schetter, Christian
APPLICAMY: Vollmer, Jorg
TITLE OF INVENTION: Immunostimulatory Nucleic Acids
FILE REFERENCE: C1039/7035 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/09/669,187A
CURRENT FILING DATE: 1000-09-25
PRIOR APPLICATION NUMBER: US 60/156,113
PRIOR FILING DATE: 1999-09-25
PRIOR APPLICATION NUMBER: US 60/156,113
PRIOR FILING DATE: 1999-09-27
PRIOR PPLICATION NUMBER: US 60/126,135
PRIOR PPLICATION NUMBER: US 60/126,135
SPRIOR PPLICATION NUMBER: US 60/127,436
NUMBER OF SEQ ID NOS: 1145
SOFTWARE: FRAEEG FOR WINGOWS VERSION 3.0
                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 20; DB 16; Best Local Similarity 100.0%; Pred. No. 7.4e+02; Matches 20; Conservative 0; Mismatches 0;
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKTR NUMBER: 920010.426C2
RELECHONE: (206) 622-4900
FELEPAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 807:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22 AGAGAGAGAGAGAGAGAG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20; Conservative
                                                                                                                                                                                                                                                          linear
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-017-995-908/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-669-187A-908
                                                                                                                                                                                                                                                                               US-09-263-959-807
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CORRESPONDENCE ADDRESS:
                                                                                                                 Query Match 100.0%; Score 20; DB 37; Length 22; Best Local Similarity 100.0%; Pred. No. 7.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 20; DB 7; Length 24; 100.0%; Pred. No. 7.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage COMPUTER: IBM compatible OPERMITMS SYSTEM: Dos 6.0 SOFTWARE: WordPerfect 5.2
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STREET: 703 McKinney Ave., Suite 316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: WORDFELLEL
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/320,507
                                     OTHER INFORMATION: Synthetic Sequence US-10-017-995-908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 9, Application US/08320507
                                                                                                                                                                                                                                                                                                                                     Sequence 8, Application US/08320507
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (214) 817-1677
TELEFAX: (214) 817-1083
INFORMATION FOR SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33,755
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                          22 AGAGAGAGAGAGAGAGAG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 100.0
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Perez, Daniel F
REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
US-08-320-507-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: Tex-
COUNTRY: USA
75202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dallas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-320-507-9/c
                                                                                                                                                                                                                                                                                                                        US-08-320-507-8
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LENGIH:
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               APPLICANT: Gray
TITLE OF INVENTION: A method for ranking sequences to
TITLE OF INVENTION: select target sequence zones of nucleic acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 20; DB 7; Length 24; 100.0%; Pred. No. 7.4e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                          ZIP: 75202
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage
COMPUTER: IBM compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage COMPUTER: IBM compatible OPERATING SYSTEM: Dos 6.0
                                                                    NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Daniel F. Perez
STREET: 703 McKinney Ave., Suite 316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Daniel F. Perez
STREET: 703 McKinney Ave., Suite 316
                                                                                                                                                                                                                                                                                                                                           FILING DATE: 05/08/320,507
FILING DATE: 07-0CT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1110-2012
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APPLICATION NUMBER: US/08/320,507
FILING DATE: 07-0CT-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Perez, Daniel F
REGISTRATION NUMBER: 33,755
REFERENCE/DOCKET NUMBER: 1110-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (214) 871-1677
TELEPAX: (214) 817-1093
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: DOS 6.0
SOFTWARE: WordPerfect 5.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 agagagagagagagagag 20
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WordPerfect 5.2
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Best Local Similarity 100.0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single;
TOPOLOGY: linear
US-08-320-507-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 07-OCT-
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
GENERAL INFORMATION:
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                                                                                                                                                                              Texas
                                                                                                                                                      Dallas
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                                                                                                                                                                                               COUNTRY:
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0; Gaps
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TITLE OF INVENTION: A method for ranking sequences to
TITLE OF INVENTION: Select target sequence zones of nucleic acids.
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Daniel F. Perez
STREET: 703 MCKinney Ave., Suite 316
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 20; DB 7; Length 24; Best Local Similarity 100.0%; Pred. No. 7.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: Diskette, 3.5 inch, 1.44 Mb storage IBM compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTRARE: MORDBERFORDS 6.0
SOFTRARE: WORDBERFORD 5.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/320,507
FILING DATE: 07-OCT-1994
CLASSIFICATION:
                                                                                                                                1110-2012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1110-2012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-320-507-11; Sequence 11, Application US/08320507; GENERAL INFORMATION:
                                                                                   NAME: Perez, Daniel F
REGIERRATION NUMBER: 33,755
REFERENCE/DOCKET NUMBER: 111
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Perez, Daniel F
REGISTRATION NUMBER: 33,755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
                                                                                                                                                                        TELEPHONE: (214) 871-1677
TELEFAX: (214) 817-1083
INFORMATION FOR SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (214) 871-1677
TELEFAX: (214) 817-1083
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           l agagagagagagagag 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23 AGAGAGAGAGAGAGAGAG 4
                                                                ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                     ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-320-507-10
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APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single;
TOPOLOGY: linear
US-08-320-507-11
PRIOR APPLICATION DATA: APPLICATION NUMBER:
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MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid
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STREET: / L.
TTV; Dallas
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                                          FILING DATE:
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GENERAL INFORMATION:
APPLICANT: GRAY, DONALD M.
APPLICANT: GRAY, DONALD M.
APPLICANT: HASHBM, GIHAN M.
TITLE OF INVENTION: CONVERSION OF A WATSON-CRICK DNA TO A HOOGSTEEN-PAIRED TITLE OF INVENTION: DUPLEX FILE REPRENCE: 91556/6618621P
CURRENT APPLICATION NUMBER: US/09/487,130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: GRAY, DONALD M.
APPLICANT: HASHEM, GIHAN M.
TITLE OF INVENTION: CONVERSION OF A WATSON-CRICK DNA TO A HOOGSTEEN-PAIRED TITLE OF INVENTION: DUPLEX PILE REFERENCE: 91556/66385CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 20; DB 18; Length 24; Best Local Similarity 100.0%; Pred, No. 7.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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CURRENT FILING DATE: 2000-01-19
PRIOR APPLICATION NUMBER: 09/357,424
PRIOR FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 2.1
                                                                                                        Sequence 3, Application US/09487130 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Application US/09487130 ; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
ORGANISM: Artificial Seguence
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SOFTWARE: PatentIn Ver. 2.1
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Best Local Similarity
                                                                                        US-09-487-130-3/c
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                                                                                                                                                                                                                Sequence 1, Application US/09487130
GENERAL INFORMATION:
APPLICANT: GRAY.
APPLICANT: HASHEW, GIHAN M.
TITLE OF INVENTION: ODDLEX
TITLE OF INVENTION: DUBLEX
FILE REFERENCE: 91556/6638GIP
CURRENT APPLICATION NUMBER: US/09/487,130
CURRENT PILICA DATE: 2000-01-19
PRIOR FILING DATE: 1999-07-20
PRIOR FILING DATE: 1999-07-20
SOFTARRE: PALENT OF INVENTION NUMBER: 09/357,424
FILOS FILING DATE: 1999-07-20
SOFTARRE: PALENT OF INVENTION NUMBER: 09/357,424
FILOS FILING DATE: 1999-07-20
SOFTARRE: PALENT OF INVENTION NUMBER: 05/20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2, Application US/09487130
GENERAL INFORMATION:
APPLICANT: GRAY, DONALD M.
APPLICANT: GRAY, DONALD M.
TITLE OF INVENTION: DUPLEX
TITLE OF INVENTION: DUPLEX
FILE REFERENCE: 91556/6638GTP
CURRENT APPLICATION NUMBER: US/09/487,130
CURRENT APPLICATION NUMBER: US/09/487,130
CURRENT APPLICATION NUMBER: 09/357,424
PRIOR FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver: 2.1
          Gaps
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US-09-487-130-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Description of Artificial Sequence: synthetic; OTHER INFORMATION: nucleic acid
US-09-487-130-2
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        0; Indels
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                                                ORGANISM: Artificial Sequence
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Matches 20; Conservative
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US-09-487-130-1/C
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Sequence 6, Application US/09487130
Sequence 6, Application US/09487130
Sequence 6, Application US/09487130
Sequence 7, Application US/09487130
APPLICANT: GRAY, DONALD M.
APPLICANT: HASHEM, GHANEM, GHANEM, GHANEM, GOVERSION OF A WATSON-CRICK DNA TO A HOOGSTEEN-PAIRED TITLE OF INVENTION: DUPLEX
TITLE OF INVENTION: DUPLEX
TITLE OF INVENTION: DUPLEX
CURRENT APPLICATION UNMBER: US/09/487,130
CURRENT FILING DATE: 2000-01-19
PRIOR FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver: 2.1
                            APPLICANT: GRAY, DONALD M.
APPLICANT: GRAY, DONALD M.
APPLICANT: HASHEM, GIHAN M.
TITLE OF INVENTION: CONVERSION OF A WATSON-CRICK DNA TO A HOOGSTEEN-PAIRED
TITLE OF INVENTION: DUPLEX
CURRENT APPLICATION NUMBER: US/09/487,130
CURRENT APPLICATION NUMBER: US/09/487,424
PRIOR FILING DATE: 1999-07-20
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PATENTIN VOX: 2.1
SEQ ID NO S: LANCE OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OFFICE OF THE OFFICE OFF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) OTHER INFORMATION: Description of Artificial Sequence: synthetic , OTHER INFORMATION: nucleic acid US-09-487-130-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 20; DB 18; Length 24; Best Local Similarity 100.0%; Pred. No. 7.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
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GENERAL INFORMATION:
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LENGTH: 24
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Search completed: August 25, 2002, 00:32:25 Job time: 16383 sec

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69.294 Million cell updates/sec
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Pending_Patents_NA_New:*

1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq:*

2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*

3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*

4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq:*

5: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq:*

6: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq:*

7: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq:*

8: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq:*

Database :

SUMMARIES

Result No. Score Match Length DB ID 1 20 100.0 20 6 US-10-077-383-29 2 20 100.0 22 5 US-09-776-479-908 2 3 20 100.0 22 5 US-00-775-83-29 2 4 20 100.0 22 5 US-10-112-653-877 4 2 0 100.0 22 5 US-10-10-25-387-50 5 2 0 100.0 95 7 US-10-027-393-857 6 2 2 0 100.0 102 7 US-10-027-393-857 9 2 0 100.0 102 7 US-10-027-393-857 10 20 100.0 117 5 US-09-620-3938-7088 11 2 0 100.0 117 5 US-09-620-3938-7088 12 2 100.0 118 7 US-10-057-940-12 13 2 0 100.0 128 7 US-10-057-940-12 14 2 0 100.0 128 7 US-10-057-940-13 16 2 0 100.0 128 7 US-10-057-940-13 16 2 0 100.0 128 7 US-10-057-940-13 17 2 0 100.0 128 7 US-10-057-940-13 18 2 0 100.0 128 7 US-10-057-940-13 2 1 2 0 100.0 138 7 US-10-057-940-13 2 1 2 0 100.0 138 7 US-10-057-940-13 2 1 2 0 100.0 140 7 US-10-027-632-178917 2 2 1 2 0 100.0 140 7 US-10-027-632-178917 2 2 2 0 100.0 152 6 US-10-037-833-3312-3310-33401 2 2 2 0 100.0 165 5 US-09-539-3310-39401			Description	Sequence 29, App1	908	877	36. A	265,	2086	-	Sequence 3516, Ap			-	٠.	12,	13,	13,	7576	_		Sequence 178533,		Sequence 177965,	(*)	17. A	3940	Sequence 16, Appl	
Score Match Match 20 100.0 20 100	COTTAGE		QI	-10-077	US-09-776-479-908	US-10-112-653-877				US-10-105-299-8877	US-09-620-393B-3516	US-60-319-414-2115	09-620-393B-69	US-09-620-393B-7088	US-10-057-940-12	US-10-057-940-12	US-10-057-940-13	US-10-057-940-13	10-027	-632-1	US-10-027-632-178525	US-10-027-632-178533	US-09-804-068A-211	7	US-10-035-832-323	US-09-171-209-17	-539-331D-39	-171	
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RESULT 2
US-09-776-479-908/c
; Sequence 908, Application US/09776479
; Sequence 908, Application US/09776479
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; APPLICANT: Petersen, Deanna M.
; APPLICANT: Pouron, Yvee
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; TITLE OF INVENTION: Treatment of Asthma and Allergy

92-7415 Sequence 7415, Ap 800C-7050, Ap 310-40315 Sequence 115, App 331D-40611 Sequence 1115, App 500-40315 Sequence 1115, App 500-40611, App 5000-40611, App 5000-40611, App 5000-40611, App 5000-40611,	rion Using an RNA Polymerase and	cial Sequence:(XY)-n spacer and Y = g 3-20 may be present or absent DB 6; Length 20; 1.6e+02; hes 0; Indels 0; Gaps 0
5 US-09-886-492-7415 5 US-09-539-800C-7050 5 US-09-639-3117-115 5 US-09-539-311D-40315 5 US-09-539-311D-40611 7 US-09-886-492-1368 6 US-09-886-492-1368 6 US-09-704-302A-173 7 US-09-704-302A-173 7 US-09-739-331D-40067 5 US-09-739-331D-40067 6 US-09-539-331D-40067 6 US-09-539-331D-40067 7 US-10-075-622-5875-7 6 US-09-539-331-885 6 US-09-586-402-15613 5 US-09-586-402-15613 5 US-09-886-402-15613 6 US-09-886-402-15613	ULT 1 10-077-383-29 GENERAL INFORMATION: APPLICATION US/10077383 ENERAL INFORMATION: PAUL V. APPLICANT: Haydock, Paul V. APPLICANT: Saigene Corporation TITLE OF INVENTION: Nucleic Acid Amplification TITLE OF INVENTION: Nucleic Acid Amplification TITLE OF INVENTION: Nucleic Acid Amplification TITLE OF INVENTION: UNA, RAW Mixed Polymer Inte CURRENT APPLICATION NUMBER: US/10/077,383 CURRENT FILING DATE: 2002-02-15 PRIOR PILING DATE: 2001-06-07 NUMBER OF SEQ ID NOS: 33 ENGTH: 20 ENGTH: 20 ENGTH: 20 ORGANISM: Artificial Sequence	tion of Artifi e, where X = a at positions 1 0%; Score 20; 0%; Pred. No. 0, Mismatc 20
174 174 174 174 174 174 174 174 174 174	al VS: SY CON NO.	Des seç seç y y Y rvat
0.0000000000000000000000000000000000000	RESULT 1 US-10-077-383-29 Sequence 29, Application US/1007 Sequence 29, Application US/1007 APPLICANT: Haydock, Paul V. APPLICANT: Saigene Corporation TITLE OF INVENTION: Nucleic Aci TITLE OF INVENTION: Nucleic Aci TITLE OF INVENTION: Nucleic Aci TITLE OF INVENTION: UNCLEIC Aci TITLE OF INVENTION: UNCLEIC Aci TITLE OF INVENTION: UNCLEIC Aci TITLE OF INVENTION: UNCLEIC US/ CURRENT FILING DATE: 2002-02-1 PRIOR FILING DATE: 2001-06-07 NUMBER OF SEQ ID NOS: 33 SOSTWARR: PALCHIN VET. 2.1 SEQ ID NO 29 LENGRANISM: ATTHICIAL Sequence	OTHER INFORMATION: De CTHER INFORMATION: Se FATURE: NAME/KEY: modified ba LOCATION: (13)(20) OTHER INFORMATION: a -0.077 -383-29 ET Local Similarity at Local Similarity tches 20; Conserval agagagagagagagagagagagagagaga
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RESULT 1 US-10-077-38 Sequence 2 Sequence 2 General APPLICANT APPL	FRANURE: OTHER INF; OTHER INF; FRANURE: NAME/KEY: LOCATION: OTHER INF; US-10-077-383 QUETY MAtch Best Local Matches 2 OY 1 aga.

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                                             ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 20; Conservative
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US-10-205-303-265
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US-10-027-632-20865/c
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LENGTH: 50
TYPE: DNA
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APPLICANT: Berg, Daniel J.
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
TITLE OF INVENTION: TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES
FILE REFERENCE: COLO39/70060 AWS)
CURRENT APPLICATION NUMBER: US/10/112,653
CURRENT FILING DATE: 2002-03-29
PRIOR PELING DATE: 2001-03-29
PRIOR FILING DATE: 2001-03-29
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                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 20; DB 5; Length 22; 100.0%; Pred. No. 1.6e+02; tive 0; Mismatches 0; Indels
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APPLICANT: RADER, CIRISTOPH
TITLE OF INVENTION: HUMANIZATION OF MURINE ANTIBODY
FILE REFERENCE: TSRI 598.0 COn1
CURRENT APPLICATION NUMBER: US/10/078,757B
CURRENT PILING DATE: 2002-02-19
FRIOR FILING DATE: 1997-12-05
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FASLSEQ for Mindows Version 4.0
SEQ ID NO 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Synthetic Oligonucleotide US-10-112-653-877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 1040
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 877
LENGTH: 22
                                                                                                            NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 908
FILE REFERENCE: C1037/7013 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/09/776,479
CURRENT FILING DATE: 2001-02-02
                                                              PRIOR APPLICATION NUMBER: US 60/179,991
PRIOR FILING DATE: 2000-02-03
                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Synthetic Sequence US-09-776-479-908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-078-757B-36; Sequence 36, Application US/10078757B; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 877, Application US/10112653 GENERAL INFORMATION:
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Matches 20; Conserve
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-10-112-653-877/c
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Sequence 6947, Application US/09620393B
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTID
TITLE OF INVENTION: THEREBY
TITLE OF INVENTION: THEREBY
CURRENT APPLICATION NUMBER: US/09/620,393B
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 9948
SOFTHARE: PATENTIN VEFSION 3.0
SEC ID NOS: 9948
                                                                                                                                                                                                     APPLICANT: Brandt, Kevin S.
APPLICANT: Gathes, Patrick J.
APPLICANT: Gathes, Patrick J.
APPLICANT: Gathes, Patrick J.
APPLICANT: Ginchcomb, Dan T.
APPLICANT: Wisnewski, Nancy
TITLE OF INVENTION: FLEB HEAD, NERVE CORD, HINDGUT AND MALPIGHIAN TUBULE NUCLEIC A
TITLE OF INVENTION: MOLECULES, PROTEINS AND USES THEREOF
FILE REFERENCE: P-FC-8-C1
CURRENT APPLICATION NUMBER: US/60/319,414
CURRENT FILING DATE: 2002-07-22
NUMBER OF SEQ ID NOS: 2313-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Gaps
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Best Local Similarity 100.0%; Pred. No. 1.55
Matches 20; Conservative 0; Mismatches
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US-09-620-393B-6947
                                                                                                                                 US-60-319-414-2115; Sequence 2115, Application US/60319414; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Ctenocephalides felis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; LOCATION: (81)...(81)
; OTHER INFORMATION: n = unknown
US-60-319-414-2115
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       1 agagagagagagagagag 20
                        62 agagagagagagagagag 81
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GENERAL INFORMATION:
APPLICATION:
TITLE OF INVENTION: THEREBY
TITLE OF INVENTION: THEREBY
CURRENT APPLICATION: US/09/620,393B
CURRENT APPLICATION UNMER: US/09/620,393B
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 9948
SOFWWARE: PATENTIN VETSION 3.0
SEQ ID NOS: 9556
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                                                                                                                                                          Gaps
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                                                                                                           100.0%; Score 20; DB 7; Length 95; 100.0%; Pred. No. 1.5e+02; ttive 0; Mismarches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Rosen, et. al
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS950
CURRENT APPLICATION NUMBER: US/10/105,239
CURRENT FILING DATE: 2002-03-26
NUMBER OF SEQ ID NOS: 15197
Prior Application removed - See File Wriapper or Palm
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; NAME/KEY: misc_feature
; LOCATION: 1..107
; OTHER INFORMATION: Ceres Seq. ID 1385553
US-09-620-3938-5316
                                                                                                                                                                                                                                                                                                                                    US-10-105-299-8877/c
; Sequence 8877, Application US/10105299
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Arabidopsis thaliana
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                                                                                                                                                     20; Conservative
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US-10-105-299-8877
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                                                                                                           Query Match
Best Local Similarity
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                                     US-10-027-632-20865
                   ORGANISM: Human
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TYPE: DNA
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APPLICANT: Partoliano, Michael W.
APPLICANT: Salemme, F. Raymond
APPLICANT: Carver, Jr., Theodore, E.
TITLE OF INVENTION: High Throughput Method for Functionally Classifying Proteins
TITLE OF INVENTION: Identified Using a Genomics Approach
                                                                                                                                                                                    APPLICANT: Salemme, F. Raymond
APPLICANT: Carver, Jr., Theodore, E.
TITLE OF INVENTION: High Throughput Method for Functionally Classifying Proteins
TITLE OF INVENTION: Identified Using a Genomics Approach
FILE REFERENCE: 1503.0310002/JAG/JSO
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                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/057,940
CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: 09/190,128
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: US 60/065,129
PRIOR FILING DATE: 1997-11-12
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CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: 09/190,128
PRIOR FILING DATE: 1998-11-12
PRIOR FILING DATE: 1997-11-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: CT- and GA-rich tract US-10-057-940-12
                                                                                                     ; Sequence 12, Application US/10057940; GENERAL INFORMATION: APPLICANT: Pantoliano, Michael W.
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SOFTWARE: PatentIn version 3.0
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                                                                                                                                                                                                     TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES TITLE OF INVENTION: THEREBY CURLE REPERENCE: 2750-108710N NUMBER: US/09/620,393B CURRENT FILING DATE: 2000-07-21 NUMBER OF SEQ ID NOS: 9948 SOFTWARE: Patentin version 3.0 SEQ ID NO 7088
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APPLICANT: Carver, Jr., Theodore, B.
TITLE OF INVENTION: High Throughput Method for Functionally Classifying Proteins
TITLE OF INVENTION: Identified Using a Genomics Approach
FILE REFERENCE: 1931.031002/JAG/J3SO
CURRENT APPLICATION NUMBER: US/10/057,940
CURRENT FILING DATE: 2002-05-03
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US-09-620-393B-7088
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PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 0S 60/065,129
PRIOR FILING DATE: 1997-11-12
NUMBER OF SED ID NOS: 14
SOFTWARE: PATENTIN VERSION 3.0
                                                                                                                         ; Sequence 7088, Application US/09620393B; GENERAL INFORMATION:
                                                                                                                                                                               APPLICANT: ALEXANDROV, Nickolai et al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 12, Application US/10057940
; GENERAL INFORMATION:
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56 agagagagagagagagag 75
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Best Local Similarity
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LENGTH: 128
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WES-10-05-940-13/C
Sequence 13, Application US/10057940
Sequence 13, Application US/10057940
Sequence 13, Application Withold W.
GENERAL INFORMATION:
APPLICANT: Pancollano, Michael W.
APPLICANT: Seldemme, F. Raymond
APPLICANT: Carver, Jr., Theodore, E.
TITLE OF INVENTION: High Throughput Method for Functionally Classifying Proteins
TITLE OF INVENTION: High Throughput Method for Functionally Classifying Proteins
TITLE OF INVENTION: High Throughput Method for Functionally Classifying Proteins
FILE REFERENCE: 1503.0310002/JA6/35,940
CURRENT PELICATION NUMBER: 09/190,126
FRIOR FILING DATE: 1999-11-12
FRIOR FILING DATE: 1999-11-12
SOFTWARE: PATENTION NUMBER: US 60/065,129
FRIOR FILING DATE: 1997-11-12
SOFTWARE: Patentin version 3.0
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Search completed: August 25, 2002, 00:45:46 Job time: 12373 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
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Mon Aug 26 10:18:09 2002

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TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
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TITLE OF INVENTION: METHOD FOR GENERATING APTAMERS OF
TITLE OF INVENTION: NON-PREDETERMINED OR SUBSTRNTIALLY
TITLE OF INVENTION: NON-PREDETERMINED SEQUENCES
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.0%; Score 0; DB 1; Length 1;
                                                         E: Knobbe, Martens, Olson, and Bear
620 Newport Center Dr. Sixteenth Floor
                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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Matches 0; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US93/00977 FILING DATE: 19930129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/068,298
                                                                                                                                                                                                                                  PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17, Application US/08068298 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/659,980
                                                                                                                                                                                                                                                                                                                                                                  NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
REPERBNCE/POCKET NUMBER: HITAC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 702: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: LYON & LYON STREET: 611 West Sixth St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CDNA to mRNA
                                                                                                                                                                                           Floppy disk
                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: NUCLEIC ACID
STRANDEDNESS: double
                        NUMBER OF SEQUENCES: 7:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                Newport Beach
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CA
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                                                                                                                                                                                                 MEDIUM TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ANTI-SENSE: P
PCT-US93-00977-702
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                                                             ADDRESSEE:
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                                                                                                                                       COUNTRY:
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                                                                              Sequence 895, App
Sequence 982, App
Sequence 982, App
Sequence 1048, Ap
                                                                                                                                                    Sequence 1048, Ap
Sequence 1352, Ap
Sequence 1352, Ap
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Sequence 51773, A
Sequence 51841, A
                                                         Sequence 895,
Sequence 895,
      Seguence 614,
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                                           Seguence 836,
                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 702, Application PC/TUS9300977
GENERAL INFORMATION:
TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
NUMBER OF SEQUENCES: 711
CORRESPONDENCE ADDRESS:
                          Seguence
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US-09-625-102-614
US-09-625-102-836
US-09-625-102-836
US-09-625-102-895
US-09-625-102-895
US-09-625-102-982
US-09-625-102-982
US-09-625-102-1048
US-09-625-102-1352
US-09-624-3068-31773
US-09-634-3068-51773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Knobbe, Martens, Olson, and Bear
STREET: 620 Newport Center Dr. Sixteenth Floor
CITY: Newport Beach
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                     US-09-634-306B-51841
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: HITAC
TELECOMMUNICATION INFORMATION:
TELEPRIONE: 714-760-0404
TELEPRION: 714-760-9502
INFORMATION FOR SEQ ID NO: 702:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: CDNA to mRNA HYPOTHETICAL: NO
    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PC
FILING DATE: 19930129
CLASSIFICATION:
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STRANDEDNESS: double
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PCT-US93-00977-702
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OTHER INFORMATION: where N also may be isoguanine or OTHER INFORMATION: isocytostine

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GENERAL INFORMATION:
APPLICANT: MUENCHAU, DARYL, ET AL.
TITLE OF INVENTION: METHOD FOR GENERATING APTAMERS OF
TITLE OF INVENTION: NON-PREDETERMINED OR SUBSTANTIALLY
TITLE OF INVENTION: NON-PREDETERMINED SEQUENCES
NUMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                CTHER INFORMATION: where N also may be isoguanine or OTHER INFORMATION: isocytostine US-08-068-298-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.0%; Score 0; DB 4; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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                                                         32,212
HFR: 193/051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: CONSALVI, MARY S
REGISTRATION NUMBER: 32,212
REFERENCE/DOCKER UNMBER: 193/051
TELECOMUNICATION INFORMATION:
TELEPHONE: 213-489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/659,980
FILING DATE: February 21, 1991
ATTORNEY/AGENT INFORMATION:
FILING DATE: February 21, 1991 ATTORNEY/AGENT INFORMATION:
                                     NAME: CONSALUI, MARY S.
REGIESTRATION NUMBER: 32,212
REFERENCE/DOCKET NUMBER: 193/0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 213-955-0440
INFORMATION FOR SED ID NO: 17:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 17: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: LYON & LYON
STREET: 611 West Sixth St.
                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              213-955-0440
                                                                                                                                                                                                                UDENCE CHARACTER LENGTH: 1 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 1 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy of
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GENERAL INFORMATION:
APPLICANT: Kolodner, Richard D.
APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products, TITLE OF INVENTION: and Uses Therefor NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS &
ADDRESSEE: CUSHMAN
                                                                                                              1; Indels
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                                                                 Query Match 0.0%; Score 0; DB 4; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NATA:
FILING DATE: 17-NOV-1993
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US-08-154-792A-9/C
; Sequence 9, Application US/08154792A
; GENERAL INFORMATION:
; APPLICANT: Kolodner, Richard D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 44824
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-5440
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: CARRACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-154-792A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: RESINCK, David S.
REGISTRATION NUMBER: 34,2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  130 Water Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 1 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 17 CLASSIFICATION:
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US-08-068-298-17
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US-08-154-792A-24
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APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TITLE OF INVENTION: and Uses Therefor
NUMBER OF SEQUENCES: 44
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APPLICANT: Reenan, Robert A.G.
APPLICANN: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TITLE OF INVENTION: and Uses Therefor
NUMBER OF SEQUENCES: 44
                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS & ADDRESSEE: CUSHMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS & ADDRESSEE: CUSHMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION UNBER: US/08/154,792A
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: RESENICK, DAVIG S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 44824
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-340
TELERAX: (617) 523-6440
TELERAX: 200291 STRE UR
INFORMATION FOR SEC ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                              IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 24, Application US/08154792A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; MOLECULE TYPE: DNA (genomic) US-08-154-792A-9
                                                                                                                                                                                     STREET: 130 Water Street
                                                                                                                                                                                                                                                                                                                            Floppy disk
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STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE:
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Gaps
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APPLICANT: Reenan, Robert A.G.
APPLICANN: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TITLE OF INVENTION: and Uses Therefor
NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS & ADDRESSEE: CUSHMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels Matches
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OPERATING SYSTEM: PC-DOS/MS-DOS
OPERARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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FILING DATE: 17-NOV-1993
CLASSIFICATION: 435
APPLICATION NUMBER: US/08/154,792A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 24, Application US/08154792A
; GENERAL INFORMATION:
                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
TELEFAX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
TYPE: nucleic acid
STRANDEDNESS: SINGle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RAME: REGISTRATION NUMBER: 34,235
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 44824
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 523-3400
TELEFAX: (617) 523-6440
TELEFAX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
                                                               ATTORNEY/AGENT INFORMATION:
NAME: RESDICK, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 446
                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (genomic)
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MOLECULE TYPE: DNA (genomic)
US-08-154-792A-24
                  17-NOV-1993
N: 435
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                             linear
                     FILING DATE: 17 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 17
CLASSIFICATION:
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                                          1; Indels
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Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismarches 1; Indels
                                                                                                                                                                                                                      Sequence 9, Application US/08163449A
GENERAL INFORMATION:
APPLICANT: Recenan, Robert A.G.
APPLICANT: Reenan, Robert A.G.
APPLICANT: Pishel, Richard
TITLE OF INVENTION: MISMATCH REPAIR GENE
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: AND USES THEREFORM
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,449A
FILING DATE: 07-DBC-1993
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: DAVID G. CONLIN; DIKE, 3RONSTEIN, ADDRESSEE: ROBERTS & CUSHMAN STREET: 130 Water Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: RESDICK, David S.
REGISTRATION NUMBER: 34,234
REFERENCE/DOCKET NUMBER: 44824-CIP-2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, Application US/08163449A; GENERAL INFORMATION:
APPLICANT: KOLOdner, Richard D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Reenan, Robert A.G. APPLICANT: Fishel, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; MOLECULE TYPE: DNA (genomic)
US-08-163-449A-9
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TELEFA: (617) 523-6440
TELEX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Floppy disk
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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US-08-163-449A-9/C
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0.0%; Score 0; DB 5; Length 1;
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GENERAL INFORMATION:
APPLICANT: Reenan, Robert A.G.
APPLICANT: Reenan, Robert A.G.
TITLE OF INVENTION: MISMATCH
TITLE OF INVENTION: PRODUCTS,
INTILE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                  SOFTWARE: PACEDOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,449A
FILING DATE:
CLASSIFICATION: 435
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TITLE OF INVENTION: MISMATCH REPAIR GENES, GENE TITLE OF INVENTION: PRODUCTS, TITLE OF INVENTION: AND USES THEREFOR CORRESPONDENCE: 44

CORRESPONDENCE ADDRESS:
                                                                                                            ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ADDRESSEE: ROBERTS & CUSHWAN STREET: 130 Water Street CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN,
ADDRESSEE: ROBERTS & CUSHMAN
STREET: 130 Water Street
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: RESENICK, David S.
REGISTRATION NUMBER: 34,234
REFERENCE/DOCKET NUMBER: 44824-CIP-2
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; MOLECULE TYPE: DNA (genomic) US-08-163-449A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
TELEX: 200201 STRE UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 1 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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Gaps

APPLICATION NUMBER: US/08/163,449A FILING DATE: 07-DEC-1993

US-08-163-449A-24

Gaps

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Ouery Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (617) 227-5020
TELEFAX: (617) 227-566
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; MOLECULE TYPE: DNA (genomic) US-08-208-572-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 1 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Kolodner, Richard D.
APPLICANT: Renean, Robert A.G.
APPLICANT: Resenan, Robert A.G.
TITLE OF INVENTION: MISMATCH REPAIR GENES, GENE
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN,
ADDRESSEE: ROBERTS & CUSHMAN
STREET: 130 Water Street
                                                                                                                          44824-CIP-2
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07-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-163-449A-24/c; Sequence 24, Application US/08163449A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
FILING DATE: 07-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RESENCE/COCKET NUMBER: 34,234
REGISTRATION NUMBER: 34,234
RELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPRA: (617) 523-3400
TELEFRA: (617) 523-340
TELERA: (617) 523-340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Resolick, David S.
REGISTRATION NUMBER: 4482.
REFERENCE/DOCKET NUMBER: 4482.
TELEPHONE: (617) 523-3400
TELEPHONE: (617) 523-3400
TELEPHONE: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                              ; MOLECULE TYPE: DNA (genomic) US-08-163-449A-24
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EDNESS: single
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                                                                                                                                                                                                                                                                                                                                             linear
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                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET:
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APPLICANT: Silberstein Ph.D., David S.
APPLICANT: Balcewicz-Sablinska M.D., Maria K.
APPLICANT: Belcewicz-Sablinska M.D., Maria K.
TITLE OF INVENTION: CONTROL OF HIV GROWTH WITH ECEF AND TITLE OF INVENTION: ECEF
TITLE OF INVENTION: ECEF
NUMBER OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            l; Indels
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; GENERAL INFORMATION:
; APPLICANT: Silberstein Ph.D., David S.
   APPLICANT: Balcewicz-Sablinska M.D., Maria K.
; APPLICANT: Newman Ph.D., Gale W.
   TITLE OF INVENTION: CONTROL OF HIV GROWTH WITH ECEF AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.0%; Score 0; DB 6; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC_COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RALEASE #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/208,572
                                                                                                                                                                                                                                                           ADDRESSEE: CHOATE, HALL, & STEWART
STREET: Exchange Place, 53 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Kaplan Esq., Warren A.
REGISTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: 092662-002
TELECOMMUNICATION INFORMATION:
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Gaps
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APPLICANT: Delegeane, Angelo
APPLICANT: Jernigan, Colleen
APPLICANT: Levine, Wendy B.
TITLE OF INVENTION: SHEAR-STRESSED HUMAN UMBILICAL VEIN
TITLE OF INVENTION: BINDOTHELIAL CELLS
CORRESPONDENCE: 7326
CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
SOFRWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                            COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAGACILIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/208,572
TITLE OF INVENTION: ECEF
TITLE OF INVENTION: DERIVATIVES
NUMBER OF SEQUENCES: 14
CORRESPONCE ADDRESS:
ADDRESSEE: CHOATE, 4ALL, 6 STEWART
STREET: Exchange Place, 53 State Street
                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Kaplan Esq., Warren A.
RGISTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: 092662-002
TELECOMMUNICATION INFORMATION:
TELECHONE: (617) 227-566
; INPORATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
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APPLICATION NUMBER: US/08/237,491
FILING DATE: Concurrently herewith
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 6868, Application US/08237491
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Pennie & Edmonds
STREET: 2730 Sand Hill Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TOPOLOGY: linear; MOLECULE TYPE: DNA (genomic) US-08-208-572-10
                                                                                                                                                                                                                                            Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                              USA
                                                                                                                                    Boston
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APPLICATION NUMBER: US 08/137,951
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE: 17-EB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Halluin, Albert P.
REGISTRATION NUMBER: 25.227
REGISTRATION NUMBER: 3815-025
TELECOMMUNICATION INFORMATION:
TELEFAX: (415) 854-3664
TELEFAX: (415) 854-3694
INFORMATION FOR SEQ ID NO: 6868:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Search completed: August 25, 2002, 00:32:25 Job time: 16383 sec
                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                       CDNA
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; IMMEDIATE SOURCE:
; CLONE: Z-068903
US-08-237-491-6868
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GenCore version 4.5

Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw mode, without alignments)

Run on:

August 25, 2002, 00:45:46; Search time 787.61 Seconds (without alignments)

69.294 Million cell updates/sec 10 perfect score: 20

Sequence: 1 nonnonnonnonnonnon 20

Scoring table: IDENTITY_NUC Gapext 1.0

Scoring table: 1737567 seqs, 1364410299 residues

Total number of hits satisfying chosen parameters: 3475134
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Minimum DB seq length: 0 Maximum DB seq length: 200000000 Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Database: Pending_Patents_NA_New:*

1: /cgn2_6/ptodata/2/pna/?cT_NEW_COMB.seq:*
2: /cgn2_6/ptodata/2/pna/JS02_NEW_COMB.seq:*
3: /cgn2_6/ptodata/2/pna/JS07_NEW_COMB.seq:*
4: /cgn2_6/ptodata/2/pna/JS08_NEW_COMB.seq:*
5: /cgn2_6/ptodata/2/pna/JS08_NEW_COMB.seq:*
6: /cgn2_6/ptodata/2/pna/JS10_NEW_COMB.seq:*
7: /cgn2_6/ptodata/2/pna/JS10_NEW_COMB.seq:*
8: /cgn2_6/ptodata/2/pna/JS10_NEW_COMB.seq:*
8: /cgn2_6/ptodata/2/pna/JS10_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		4	Æ	Æ	A	ď	Æ	¥	Æ	Ø	K	A	¥	¥	A	A	¥	K	¥	¥	Æ	A	¥	¥	Æ	¥
	Description	Sequence 51773,	Sequence 51773,	Sequence 51841,		Sequence 52001,	Sequence 52001,	Sequence 52051,	Sequence 52051,	Sequence 52156,	Sequence 52156,	Sequence 52157,	Sequence 52157,	Sequence 52177,	Sequence 52177,	Sequence 52215,	Sequence 52215,	Sequence 52240,	Sequence 52240,	Sequence 52272,	Sequence 52272,	Sequence 52624,	Sequence 52624,	Sequence 52642,	Sequence 52642,	Sequence 52668,
	Desc	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed																
	ΙD	US-10-027-632-51773	US-10-027-632-51773	US-10-027-632-51841	US-10-027-632-51841	US-10-027-632-52001	US-10-027-632-52001	US-10-027-632-52051	US-10-027-632-52051	US-10-027-632-52156	US-10-027-632-52156	US-10-027-632-52157	US-10-027-632-52157	US-10-027-632-52177	US-10-027-632-52177	US-10-027-632-52215	US-10-027-632-52215	US-10-027-632-52240		US-10-027-632-52272	US-10-027-632-52272	US-10-027-632-52624	US-10-027-632-52624	US-10-027-632-52642	US-10-027-632-52642	US-10-027-632-52668
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	Match Length DB	٦	1	1	1	1	1	1	1	1	1	7	1	1	1	-	1	7	7	7	1	7	1	1	1	7
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•	Score	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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APPLICANT: Wang, David G. TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

RESULT 2 10S-10-027-632-51773/c : Sequence 51773, Application US/10027632 : GENERAL INFORMATION:

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52668,	52677	52707,	52714	52714,	52721,	52721,	52776,	52063	52863,	52864	52864	52891,	52891,	58290,	58459,		9	Gaps	
	ednence		Sequence		Sequence	Sequence	Inence		Sequence						ednence		Nucleotide	0;	
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-5266	-5267	-527(-527	-527	-527	-527	-527	700	-5286	-5286	-5286	-528	-5289	-582	-584			17;	
-632	-632	-632	-632	-632	-632	-632	-632	200	-632	1-632	1-632	-632	7-632	7-632	-632	ÆNTS	32 32 3.0 . 0	re 0; DB . No. 0; Mismatches	
0-027	0-027	0-027	0-0-0	0-027	0-027	0-027	0-02		0-027	0-027	0-027	0-027	0-02	0-02	US-10-027-632-58459	ALIGNMENT		Score 0; red. No.	
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> 0	0	00	-	0	0	0	00			0	0	0	0	0	00		SULT 1 -10-027-632-5173 Sequence 5173, Appl GENERAL INFORMATION: GENERAL INFORMATION: TITLE OF INVENTION: FILINE DATE: PRIOR PELING DATE: PRIOR FILING DATE: PRIOR PRIOR FILING DATE: PRIOR FILING DA	ch 1 Simi 0;	
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TITLE OF INVENTION: identification and Mapping of Single Nucleotide
TITLE OF INVENTION: identification and Mapping of Single Nucleotide
TITLE OF INVENTION: identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.123
CURRENT FILING DATE: 2002-04-30
PRIOR RAPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 1090-03-29
PRIOR FILING DATE: 1200-02-24
PRIOR FILING DATE: 1209-03-28
PRIOR FILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-09-28
PRIOR PILING DATE: 1999-09-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
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NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                       Sequence 51841, Application US/10027632 GENERAL INFORMATION:
                                                                                                                                                US-10-027-632-51841/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Wang, David G. TITLE OF INVESTIGATION and Mapping of Single Nucleotide TITLE OF INVENTION: Ldentification and Mapping of Single Nucleotide TITLE OF INVENTION: Polymorphisms in the Human Genome FILE REFERENCE: 10887.129
CURRENT APPLICANION NUMBER: US/10/027,632
CURRENT FILING DATE: 2003-04-30
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TITLE OF INVENTION: Polymorphisms in the Human Genome
                                    CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
PRIOR PRICATION NUMBER: US 60/198,676
PRIOR PRILING DATE: 2000-03-29
PRIOR PRILING DATE: 2000-02-24
PRIOR FILING DATE: 1000-02-24
PRIOR FILING DATE: 1909-11-33
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR PILING DATE: 1999-11-33
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR PRILING DATE: 1999-0-28
PRIOR PRILING DATE: 1999-0-28
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PRIOR FILING DATE: 1999-10-23
PRIOR FILING DATE: 1999-10-23
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-08
NUMBER OF SEQ ID NOS: 325720
SOTWARE: FastSEQ for Windows Version 4.0
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PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR REPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
PRIOR PILING DATE: 2000-03-29
PRIOR PILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR APPLICATION NUMBER: US 60/193,483
                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
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                       FILE REFERENCE: 108827.129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 3
US-10-027-632-51841
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SEQ ID NO 52051
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GENERAL INFORMATION:
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: DelyMorphisms in the Human Genome
TITLE OF INVENTION: PolyMorphisms in the Human Genome
CURRENT FILING DATE: 2002-04-30

PRIOR PLILING DATE: 2000-07-12

PRIOR PELLOATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR PELLOG DATE: 2000-03-24

PRIOR FILING DATE: 2000-03-24

PRIOR FILING DATE: 1909-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-108-09

PRIOR FILING DATE: 1999-08-09

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOOTHARRED DATE: 2000-03-30
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GENERAL INFORMATION:
APPLICANT: Wang, David G

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
TITLE PREPRENCE: 10897.129

CURRENT FILIKE DATE: 2002-04-30

PRIOR PAPLICATION NUMBER: US/10/027,632

CURRENT TILING DATE: 2000-07-12

PRIOR FILING DATE: 2000-07-12

PRIOR FILING DATE: 2000-07-12

PRIOR FILING DATE: 2000-07-20

PRIOR FILING DATE: 2000-07-20

PRIOR PLING DATE: 2000-07-20

PRIOR PLING DATE: 2000-07-20
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US-10-027-632-52001/c
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                                                     ; TYPE: DNA
; ORGANISM: Human
US-10-027-632-52001
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PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR PTLING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-01-29
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
PRIOR PRIOR FILING DATE: 1999-09-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FRESESE for Windows Version 4.0
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SOFTWARE: FastSEQ for Windows Version 4.0
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PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
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US-10-027-632-52051
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Matches
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APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: DIAMORPHISMS in the Human Genome
FILE REFERENCE: 10887.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
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GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFRENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/218, 006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198, 676
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193, 483
PRIOR APPLICATION NUMBER: US 60/185, 218
PRIOR APPLICATION NUMBER: US 60/167, 363
PRIOR APPLICATION NUMBER: US 60/167, 363
PRIOR PILING DATE: 1999-11-23
PRIOR PLILNG DATE: 1999-11-23
PRIOR PLILNG DATE: 1999-109-80
PRIOR PLILNG DATE: 1999-109-80
PRIOR APPLICATION NUMBER: US 60/146,002
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PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR PILING DATE: 2000-03-29
PRIOR PILING DATE: 2000-02-24
PRIOR PLING DATE: 2000-02-24
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SOFTWARE: FastSEQ for Windows Version 4.0
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SOFTWARE: FastSEQ for Windows Version 4.0
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PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
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US-10-027-632-52156
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US-10-027-632-52156
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SEQ ID NO 52156
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SEQ ID NO 52156
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Query Match 0.0%; Score 0; DB 7; Length 1; Best Local Similarity 0.0%; Pred. No. 0;

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APPLICANT WANG, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
TITLE OF INVENTION: Polymorphisms in the Human Genome
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CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DAPE: 2009-04-30
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      1; Indels
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
   0; Mismatches
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CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-04-30
PRIOR PAPLICATION NUMBER: US 60/198,676
PRIOR PAPLICATION NUMBER: US 60/198,676
PRIOR PAPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR PILING DATE: 1009-11-23
PRIOR PILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/166,358
PRIOR PILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-01-28
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PRIOR PAPLICATION NUMBER: US 60/218,006
PRIOR PAPLICATION NUMBER: US 60/198,676
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR PILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-24
PRIOR FILING DATE: 2000-02-24
PRIOR PLICATION NUMBER: US 60/185,218
PRIOR PLICATION NUMBER: US 60/185,318
PRIOR APPLICATION NUMBER: US 60/163,363
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52157
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PRIOR APPLICATION NUMBER: US 60/156,358
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PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
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; Sequence 52157, Application US/10027632
; GENERAL INFORMATION:
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US-10-027-632-52157
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Search completed: August 25, 2002, 00:45:46
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GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: US 60/218,006
PRIOR FILING DATE: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/198,676
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NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52157
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US-10-027-632-52177/C
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GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REPRENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
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PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR PILING DATE: 2000-02-24
PRIOR PILING DATE: 2000-02-24
PRIOR PILING DATE: 1999-11-23
PRIOR PLING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR APPLICATION NUMBER: US 60/167,363
                   PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 2000-02-24
PRIOR PELICATION NUMBER: US 60/167,363
PRIOR PELICATION NUMBER: US 60/167,363
PRIOR APPLICATION NUMBER: US 60/166,358
PRIOR APPLICATION NUMBER: US 60/166,002
PRIOR APPLICATION NUMBER: US 60/166,002
PRIOR FILING DATE: 1999-09-28
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                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52177
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PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
PRIOR FILING DATE: 2000-04-20
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US-10-027-632-52177
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Job time: 12373 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
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45.099 Million cell updates/sec
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Maximum DB seq length: 200000000
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/cgn2_6/ptodata/2/pna/US101_COMB.seq:*/cgn2_6/ptodata/2/pna/US6000_COMB.seq:*/cgn2_6/ptodata/2/pna/US6001_COMB.seq:*
                                                                                                                                                                                                                                                                                                                        /cgn2_6/ptodata/2/pna/US6002_COMB.seq:*
/cgn2_6/ptodata/2/pna/US6003_COMB.seq:*
/cgn2_6/ptodata/2/pna/US6004_COMB.seq:*
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                            Pending_Patents_NA_Main:*
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12_6/ptodata/2/pna/US6005_C 12_6/ptodata/2/pna/US6006_C 12_6/ptodata/2/pna/US6008_C 12_6/ptodata/2/pna/US6009_C 12_6/ptodata/2/pna/US6010_C 12_6/ptodata/2/pna/US6011_C 12_6/ptodata/2/pna/US6011_C 12_6/ptodata/2/pna/US6011_C 12_6/ptodata/2/pna/US6011_C 12_6/ptodata/2/pna/US6011_C 12_6/ptodata/2/pna/US6011_C 12_6/ptodata/2/pna/US6011_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6012_C 12_6/ptodata/2/pna/US6013_C 12_6/ptodata/2/pna/US6013_C 12_6/ptodata/2/pna/US6013_C 12_6/ptodata/2/pna/US6013_C 12_6/ptodata/2/pna/US6013_C 12_6/ptodata/2/pna/US6013_C 12_6/ptodata/2/pna/US6013_C 12_6/ptodata/2/pna/US6013_C	gn2_6/ptodata/2/ gn2_6/ptodata/2/
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ΩI	-335A	US-08-531-241A-515	US-09-263-959-515	US-09-081-385-40	US-09-589-606-40	US-09-700-354A-40	US-09-752-639-40	US-09-984-198-40	US-08-309-335A-807	US-08-531-241A-807	US-09-263-959-807	US-09-634-320-5	US-09-634-320-10	US-09-634-320-6	US-09-669-187A-908	US-10-017-995-908	US-08-320-507-8	US-08-320-507-9	-320-507	US-08-320-507-11	-09-487	487-	7-1	7	-09-487-1	US-09-487-130-6	US-09-956-584-462936	US-09-956-584-470373	-09-956-584-47038	-09-956-584-	US-09-956-584-570432
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Score	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
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APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UNMERRER OF SEQUENCES: 1279
                                                       APPLICANT: Rowen, Lee TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                        S: Seed and Berry LLP
6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                      240052.406C1
                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/531,241A
FILING DATE: 19-SEP-1995
                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy u.s.,
COMPUTER: IBM PC compatible
COMPUTER: CONFEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
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                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: MCMASters, David D.
REGISTRATION NUMBER: 33,969
REFERENCE/DOCKET NUMBER: 24005
TELEPHONE: (206,622-4900
TELEPAX: (206) 622-4900
TELEPAX: (206) 622-631
INFORMATION FOR SEQ ID NO: 515:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-
                APPLICANT: Hood, Leroy E. APPLICANT: Koop, Ben F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             McMasters, David D.
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18 base pairs
                                                                                                   CORRESPONDENCE ADDRESS:
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STRANDEDNESS: single
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MEDIUM TYPE: Floppy of
                                                                                                                                                         Seattle
Washington
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CLASSIFICATION:
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CLASSIFICATION:
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US-09-263-959-515
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
                                                                                                            Sequence 538, App
Sequence 538, App
Sequence 98, Appl
Sequence 98, Appl
Sequence 338, Appl
Sequence 3304, Appl
Sequence 2355, Appl
                                                                                                                                                                                                                                   Sequence 6, Appl1
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                             Sequence 502046,
Sequence 502047,
              Sequence 101189,
                                                                  507327,
                                                                                 Sequence 532893,
                                                                                                Sequence 532898,
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                                                                Sequence
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                                                   US-60-234-017-507327
US-60-234-017-532893
US-60-234-017-532898
                                   US-60-234-017-502047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                        US-09-213-620B-98
US-09-213-620C-98
US-09-263-959-538
US-09-605-698-3104
US-09-605-699-2355
US-09-735-363A-6
                                                                                                         US-08-309-335A-538
US-08-531-241A-538
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FILING DATE: 19-SEP-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                           Sequence 515, Application US/08309335A
GENERAL INFORMATION.
APPLICANT: Hood, Leroy E.
APPLICANT: Koop, Ben F.
APPLICANT: Rowen, Lee
TITLE OF INVENTION: DIAGNOSTIC AND
NUMBER OF SEQUENCES: 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 515, Application US/08531241A ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: MCMASLETS, David D.
REGISTRATION NUMBER: 33,963
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 24
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-490
PELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 515:
                                                       62
62
62
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Best Local Similarity 100.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-309-335A-515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: US
ZIP: 98104-7092
100.0
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US-08-531-241A-515
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Sequence 40, Application US/09589606
GENERAL INFORMATION:
APPLICANT: Granaga, T.
APPLICANT: Granaga, T.
APPLICANT: Granaga, T.
APPLICANT: Granaga, T.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
TITLE OF INVENTION: of Use Thereof
NUMBER OF SEQUENCES: 154
CORRESPONDENCE ADDRESS:
               Gaps
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 18; DB 22; Length 20; 100.0%; Pred. No. 1.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSEG for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/589,606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. No.
          0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US99/10793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-700-354A-40/c Sequence 40, Application US/09700354A
                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
APPLICATION NUMBER: 09/081,385
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/964,747
FILING DATE: 05-NOV-1997
APPLICATION NUMBER: 60/030,761
FILING DATE: 06-NOV-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Gatanaga, Tetsuya
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 06-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: Wu, Frank
REGISTRATION NUMBER: 41,386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 220
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 706141
INFORMATION FOR SEQ ID NO: 46
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
                                             TELEPHONE: 650-813-5600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  l agagagagagagagag 18
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Matches 18; Conservative
        Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 650-494-0792
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TOPOLOGY: 11near
US-09-589-606-40
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US-09-589-606-40/c
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APPLICANT: Gatanaga, T.
APPLICANT: Gatanaga, T.
APPLICANT: Gatanaga, T.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
TITLE OF INVENTION: of Use Thereof
TITLE OF INVENTION: of Use Thereof
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                                                                                                                                                                                                                                                                                                                         0; Gaps
                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 13; DB 16; Length 18; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 18; Conservative 0; Mismarches 0; Indels
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REGISTRATION NUMBER: 33,963
REPERENE/POCKET NUMBER: 920010.425C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPHONE: (206) 682-6031
INFORMATION FOR SEQ ID NO: 515:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/09/081,385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 40, Application US/09081385; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/964,747
FILING DATE: 05-NOV-1997
APPLICATION NUMBER: 60/030,761
FILING DATE: 06-NOV-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 41,386
REFERENCE/DOCKET NUMBER: 22(
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                           l agagagagagagagag 18
                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                  LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 20 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94304-1018
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 4
US-09-081-385-40/c
                                                                                                                                                                                                                    US-09-263-959-515
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APPLICANT: Gatanaga, T.
APPLICANT: Granger, G.A.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
TITLE OF INVENTION: of Use Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                               Factor Receptor Releasing Enzyme Activity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
Granger, Gale A. TITLE OF INVENTION: Factors Altering Tumor Necrosis
                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: BOZICEVIC, FIELD, & FRANCIS, LLP STREET: 200 MIDDLEFIELD ROAD, #200
CITY: Menlo Park-
                                                                                                                                                                                                                                                                COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastESO for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/700,354A
FILING DATE: 17-Apr-2001
CLASSIFICATION: CURKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Francis, Carol L. REGISTRATION WOMERS: 36,513
REFERENCE/DOCKET NUMBER: IRVN-007CIP2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/081,385
FILING DATE: 14-MAY-1998
APPLICATION NUMBER: PCT/US99/10793
FILING DATE: 14-MAY-1999
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-09-700-354A-40
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STREET: 755 PAGE MILL ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: 650-327-3400
TELEFAX: 650-327-3231
                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 40:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                               NUMBER OF SECUENCES: 154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Windows
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
                                                                                                                                                                                          USA
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OPERATING SYSTEM:
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APPLICANT: Gatanaga, T.
APPLICANT: Gatanaga, T.
APPLICANT: Granger, G.A.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
NUMBER OF SEQUENCES: 154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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100.0%; Score 18; DB 29; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
SOFTWARE: FastSEQ for Windows Version 2.0b CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/752,639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible
OPENATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                 22000-20577,21
                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US99/10793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US99/10793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/09/984,198
                                                                                                                                                                                                                           FILING DAFE: 05-NOV-1997
APPLICATION NUMBER: 60/030,761
FILING DATE: 06-NOV-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                     APPLICATION NUMBER: 09/081,385
                                                                                                                                                                                                                08/964,747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-984-198-40/C
; Sequence 40, Application US/09984198
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 09/081,385
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                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 41,386
REFERENCE/DOCKET NUMBER: 220
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
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                                                                                                                                                                                                                                                                                                                                                                                                                       TELERAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid
EDNESS: single
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                APPLICATION NUMBER:
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APPLICATION NUMBER:
FILING DATE: 05-NOV
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CTTY: Palo Alto
                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
                                                                                                                                                 FILING DATE:
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                                                                 FILING DATE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-752-639-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE:
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APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
APPLICANT: Rowen, Lee
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH U
WUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
                                                                                                                                                                            APPLICANT: HOOD, LETOY E.
APPLICANT: KOOP, Ben F.
APPLICANT: ROWEN, LEE
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH
NUMBER OF SEQUENCES: 1279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,241A
FILING DATE: 19-SEP-1995
                                                                                                                                                                                                                                                                                                     ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6300 Columbia Center, 701 Fifth Avenue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              омыек: US/08/531,241A
19-SEP-1995
                                                                                                                      US-08-531-241A-807/c; Sequence 807, Application US/08531241A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 807, Application US/09263959 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seed and Berry LLP
                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPANNE: (206) 622-4900
TELERAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 807:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: MCMASters, David D.
REGISTRATION UNMBER: 33,40
REFERENCE/DOCKET UNMBER: 24
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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        1 agagagagagagagag 18
                              21 AGAGAGAGAGAGAGAG 4
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                 Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
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                                                                                                                                                                                                                                                                                                                                                Seattle
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                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
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                                                                                                       RESULT 10
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APPLICANT: Koop, Ben F.
APPLICANT: Rowen, Lee
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
WUMBER OF SEQUENCES: 1215
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 13; DB 36; Length 20; 100.0%; Pred. No. 1.8e+03; ative 0; Mismaïches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 13; DB 7; Length 21; 100.0%; Pred. No. 1.8e+03; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: Seed and Berry
6300 Columbia Center, 701 Tifth Avenue
                                                                                                     22000-20577.21
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19-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 807, Application US/08309335A; GENERAL INFORMATION:
APPLICANT: Hood, Leroy E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
APPLICATION NUMBER: 60/030,761
FILING DATE: 06-NOV-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/TOCKET NUMBER: 24005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
                                                            NAME: Wu, Frank
REGISTRATION NUMBER: 41,386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 807:
SEQUENCE CHARACTERISTICS:
                                                                                                REFERENCE/DOCKET NUMBER: 22C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEPAX: 650-494-0792
                                                                                                                                                                                                    40:
                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 40 SEQUENCE CHARACTERISTICS: LENGTH: 20 base pairs TYPE: nucleic acid TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
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TELEFAX: bov
706141
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 9
US-08-309-335A-807/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY: 1
US-08-309-335A-807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                  ; TOPOLOGY:
US-09-984-198-40
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Gaps

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Sequence 6, Application US/09634320

Sequence 6, Application US/09634320

GENERAL INFORMATION: Mikhail, 1.

TITLE OF INVENTION: USE THEREOF

TITLE OF INVENTION: USE THEREOF

TITLE OF INVENTION: USE THEREOF

CURRENT APPLICATION NUMBER: US/09/634,320

CURRENT FILING DATE: 2000-08-09

PRIOR APPLICATION NUMBER: US 60/147,919

PRIOR FILING DATE: 1999-08-09

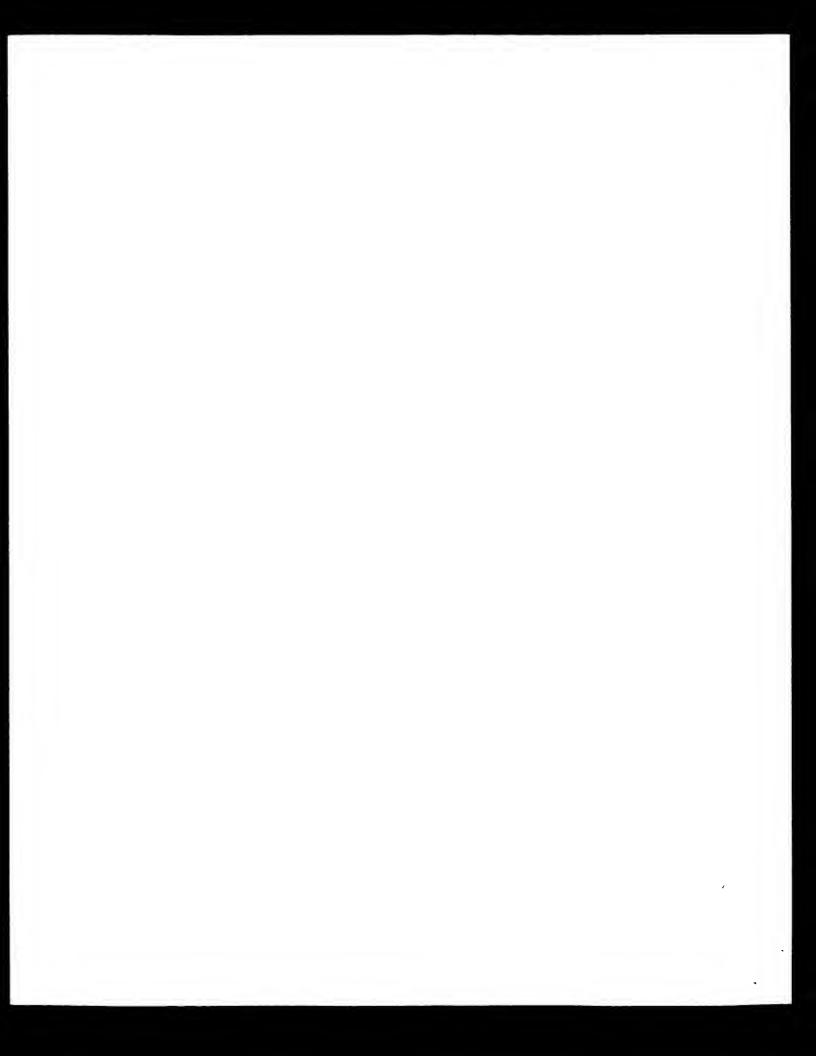
NUMBER OF SEQ ID NOS: 13

SOFTWARE: FASTSEC FOF WINDOWS VERSION 4.0
                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 18; DB 24; Length 21; 100.0%; Pred. No. 1.8e+03; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ch 100.0%; Score 18; DB 24; Length 22; 1.1 Similarity 100.0%; Pred. No. 1.8e+03; 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Immunostimulatory Nucleic Acids
                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Synthetic Oligonucleotide US-09-634-320-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Synthetic Oligonucleotide US-09-634-320-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Krieg, Arthur M.
APPLICANT: Schetter, Christian
APPLICANT: Schetter, Christian
APPLICANT: Schetter, Christian
APPLICANT: Vollmer, Jorg
TITLE OF INVENTION: Immunostimulatory Nucleic
FILE REPERENCE: C1039/7035 (HCL/MAT)
CURRENT FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US 60/156,113
PRIOR APPLICATION NUMBER: US 60/156,135
PRIOR PILING DATE: 1999-09-27
PRIOR PILING DATE: 1999-09-27
PRIOR PILING DATE: 1999-09-27
PRIOR PELING DATE: 2000-0-23
PRIOR REPLICATION NUMBER: US 60/126,135
PRIOR REPLICATION NUMBER: US 60/127,436
          CURRENT FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 60/147,919
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-669-187A-908/C; Sequence 908. Application US/09669187A; Septembring: APPLICANT: Krieg, Arthur M.
                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
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                                                                                                                                         SEQ ID NO 10
LENGTH: 21
                                                                                                                                                                                           TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 18; DB 24; Length 21; 100.0%; Pred. No. 1.8e+03; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/09634320
GENERAL INFORMATION:
APPLICANT: Paplication US/09634320
TITLE OF INVENTION: DRUG-CARRIER COMPLEXES AND METHODS OF TITLE OF INVENTION: USE THEREOF
FILE REFERENCE: 0838.1003-001
CURRENT PILLIG DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US/09/634,320
PRIOR APPLICATION NUMBER: US/09-09-09
PRIOR PILLING DATE: 1999-08-09
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TITLE OF INVENTION: DRUG-CARRIER COMPLEXES AND METHODS OF
TITLE OF INVENTION: USE THEREOF
FILE REPERENCE: 0838.1003.001
CURRENT APPLICATION NUMBER: US/09/634,320
                                            SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Synthetic Oligonucleotide US-09-634-320-5
                                                                                                                                                                                                NAME: MCMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                            APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 10, Application US/09634320 ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                TELEPHONE: (206) 622-4900
TELERAX: (206) 682-6031
INFORMATION FOR SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
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TYPE: nucleic acid
STRANDEDNESS: single
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Matches 18; Conservative
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                                                                                                                      FILING DATE: 0:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-263-959-807
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US-09-634-320-10/c
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Gaps ó

NUMBER OF SEQ ID NOS: 1145

Search completed: August 25, 2002, 00:32:26 Job time: 16384 sec



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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

August 25, 2002, 00:45:46; Search time 787.61 Seconds Run on:

(without alignments)
62.364 Million cell updates/sec

US-10-077-383-31 Perfect score:

1 agagagagagagagag 18 Sequence:

IDENTITY_NUC Scoring table:

Gapop 10.0 , Gapext 1.0

Searched:

Total number of hits satisfying chosen parameters:

1737567 seqs, 1364410299 residues

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Pending_Patents_NA_New: * Database :

/cgn2_6/ptodata/2/pna/USO8_NEW_COMB.seq:*
/cgn2_6/ptodata/2/pna/USO9_NEW_COMB.seq:*
/cgn2_6/ptodata/2/pna/USI0_NEW_COMB.seq:*
/cgn2_6/ptodata/2/pna/USI0_NEW_COMB.seq:*
/cgn2_6/ptodata/2/pna/USI0_NEW_COMB.seq:* /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq:*/cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*/cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMAFIES

ē	31, Appl	32, Appl	4, Appli	29, Appl	908, App		11, Appl	29, Appl	11, Appl	25, Appl	7, Appli	36, Appl	7, Appli	14, Appl	36, Appl	265, App	S	8877, Ap	3516, Ap	2115, Ap	6947, Ap	7088, Ap	12, Appl	12, Appl	13, Appl
Description	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
ID	0-077-	0-077-	US-10-011-204-4	•	US-09-776-479-908	US-10-112-653-877	US-10-06C-848-11	US-09-997-672-29	US-09-196-447B-11	US-09-724-857-25	US-10-09E-602A-7	US-10-109-624-36	US-10-082-894-7	US-10-16C-362-14	US-10-076-757B-36	US-10-205-303-265	US-10-027-632-20865	US-10-105-299-8877	US-09-62C-393B-3516	US-60-319-414-2115	US-09-62C-393B-6947	US-09-62C-393B-7088	US-10-057-940-12	US-10-057-940-12	US-10-057-940-13
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Length	18	18	18	20	22	22	49	20	20	20	20	20	20	20	20	69	95	102	107	111	117	123	128	128	128
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Sequence 13, Appl	Sequence 75765, A	Sequence 178517,	_	Sequence 178533.	•	•	Sequence 323, App	17. A	4986	Sequence 40551, A				Sequence 7415, Ap			Sequence 12512, A	~	4
US-10-057-940-13	US-10-027-632-75765	US-10-027-632-178517	US-10-027-632-178525	US-10-027-632-178533	US-09-804-068A-211	US-10-027-632-177965	US-10-035-832-323	US-09-171-209-17	US-60-377-240-4986	US-09-539-331D-40551	US-09-539-331D-39401	US-09-171-209-16	US-09-539-331D-40097	US-09-886-492-7415	US-09-539-800C-7050	US-09-963-137-115	US-09-539-331D-12512	US-60-382-445-235	US-09-539-331D-40315
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128	133	140	140	140	146	150	152	162	162	163	166	166	173	174	176	179	183	185	187
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
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ALIGNMENTS

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APPLICANT: Haydock, Paul V.
APPLICANT: Haydock, Paul V.
APPLICANT: U'Ren, Jack
APPLICANT: U'Ren, Jack
APPLICANT: Salgene Corporation
TITLE OF INVENTION: Nucleic Acid Amplification Using an RNA Polymerase and
TITLE OF INVENTION: DNARNA Mixed Polymer Intermediate Products
FILE REPERENCE: 018048-001710N33
CURRENT APPLICATION NUMBER: US/10/077,383
CURRENT FILING DATE: 2002-02-15
PRIOR FILING DATE: 2001-06-07
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PATCHIN Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: U'Ren, Jack
APPLICANT: Salgene Corporation
TITLE OF INVENTION: Nucleic Acid Amplification Using an RNA Polymerase and
TITLE OF INVENTION: DNA/RNA Mixed Polymer Intermediate Products
FILE REFERENCE: 018048-001710US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/077,383
CURRENT FILING DATE: 2002-02-15
PRIOR APPLICATION NUMBER: US 60/296,812
                                                        ; Sequence 31, Application US/10077383; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 32, Application US/10077383 GENERAL INFORMATION:
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                   US-10-077-383-31
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US-10-077-383-31
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RESULT
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APPLICANT: Haydock, Paul V.
APPLICANT: U'Ren, Jack
APPLICANT: Saigene Corporation
TITLE OF INVENTION: Nucleic Acid Amplification Using an RNA Polymerase and
TITLE OF INVENTION: DNA/RNA Mixed Polymer Intermediate Products
FILE REFERENCE: 018048-00171005
CURRENT APPLICATION NUMBER: US/10/077,383
CURRENT FILING DATE: 2002-02-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: EKINS, Roger P
TITLE OF INVENTION: Binding assay using binding agents with tail groups
FILE REFERENCE: 0380-P01180US0
CURRENT APPLICATION NUMBER: US/10/011,204
CURRENT FILING DATE: 2001-11-08
PRIOR APPLICATION NUMBER: PC7/GB95/00521
PRIOR FILING DATE: 1995-03-10
PRIOR PLILING DATE: 1995-03-10
PRIOR PRIOR APPLICATION NUMBER: PC7/GB95/00521
PRIOR FILING DATE: 1994-03-11
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                                                                                                                                                                                            ; OTHER INFORMATION: Description of Artificial Sequence:(XY)-n spacer; CTHER INFORMATION: sequence complement, where X = a, Y = g and n = 9 us-10-077-383-32
                                                                                                                                                                                                                                                                                                                                     100.0%; Score 18; DB 6; Length 18; 100.0%; Pred. No. 3.9e+02; ative 0; Mismatches 0; Indels
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100.0%; Pred. No. 3.9e+02;
Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT FILING DATE: 2002-02-15
PRIOR APPLICATION NUMBER: US 60/296,812
PRIOR FILING DATE: 2001-06-07
UNDBER OF SEQ ID NOS: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 29, Application US/10077383 GENERAL INFORMATION:
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                                                                                                                                                           ORGANISM: Artificial Sequence
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PRIOR FILING DATE: 2001-06-07
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 32
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
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US-10-011-204-4/c
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Gaps
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; OTHER INFORMATION: a or g at positions 13-20 may be present or absent us-10-077-383-29
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APPLICANT: Berg, Daniel J.
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
TITLE OF INVENTION: TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES
FILE REFERENCE: COLO39770060 (AMS)
CURRENT APPLICATION NUMBER: US/10/112,653
                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:(XY)-n spacer OTHER INFORMATION: sequence, where X = a and Y = g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Fouron, Yves
APPLICANT: Fouron, Yves
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
TITLE OF INVENTION: Treatment of Asthma and Allergy
FILE REFERENCE: C1037/7013 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/09/776,479
CURRENT FILING DATE: 2001-02-02
PRIOR FILING DATE: 2000-02-03
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SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FastSEQ for Windows Version 3.0
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PRIOR APPLICATION NUMBER: US 60/279,642
PRIOR FILING DATE: 2001-03-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Synthetic Sequence US-09-776-479-908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 908, Application US/09776479; GENERAL INFORMATION: APPLICANT: Bratzler, Robert L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-112-653-877/c; Sequence 877, Application US/10112653; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
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SOFTWARE: PatentIn Ver. 2.1
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Matches 18; Conservative
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                          SEQ ID NO 29
LENGTH: 20
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FEATURE
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Sequence 29, Application US/09997672
Sequence 29, Application US/09997672
Sequence 29, Application:
APPLICANT: Meterings, Koen
APPLICANT: The Apuya, Neber B.
APPLICANT: The Regents of the University of California
APPLICANT: Ceres, Inc.
APPLICANT: Ceres, Inc.
TITLE OF INVENTON: Polynucleotides Use: ul for Modulationg Transcription
FILE REFERENCE: 023070-115810US
CURRENT FILING DATE: 2001-11-28
PRIOR APPLICATION NUMBER: US 60/253,672
PRIOR APPLICATION NUMBER: US 60/253,672
NUMBER OF SEQ ID NOS: 42
SOFFWARE: Patentin Ver. 2.1
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                                                                                                                                                                                                                                                             0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Williams, Deryck Jeremy
APPLICANT: Williams, Deryck Jeremy
APPLICANT: Williams, Deryck Jeremy
APPLICANT: Williams, Deryck Jeremy
APPLICANT: Salmon, Brandy Leigh
TITLE OF INVENTION: NEWATODE MOH-LIKE SEQUENCE
CURRENT APPLICATION NUMBER: US/10/060,848
CURRENT FILING DATE: 2002-06-10
PRIOR FILING DATE: 2001-02-02
NUMBER OF SEQ ID NOS: 15
SOFTHARE FRANCES for Windows Version 4.0
LENGTH: 49
                                                                                                                  CTHER INFORMATION: Synthetic Oligonuclabilde US-10-112-653-877
                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-060-848-11; Sequence 11, Application US/10060848; GENERAL INFORMATION:
                                             TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
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; SEQ ID NO 877
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LENGTH: 50
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                                                                                             FEATURE:
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0; Gaps
; OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide; OTHER INFORMATION: 1inker-primer (US-09-997-672-29
                                                                                                                         Query Match 100.0%; Score 18; DB 5; Length 50; Best Local Similarity 100.0%; Pred. No. 3.9e+02; Matches 18; Conservative 0; Mismatches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IND PC compatible
COMPUTER: IND PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/09/196,447B
FILING DATE: 19-NOV-1998
CLASSIFICATION: <UNANOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Tripp, Cynthia A. Frank, Glenn R. Grieve, Robert B. TITLE OF INVENTION: NOVEL PRASSITIC HELMINTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Sheridan Ross P.C.
STREET: 1700 Lincoln St., Suite 3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618-13-3
TELECOMMUNICATION:
TELEPHONE: 303/863-9700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /label- PRIMER
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COCATION: 1.50
COTHER INFORMATION: /label- PRINSEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-196-447B-11
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STRANDEDNESS: single
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SEQUENCE CHARACTERISTICS
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Matches 18; Conservative
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Query Match
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                                                                   APPLICANT: Weterings, Koen
APPLICANT: Apuya, Nestor R.
APPLICANT: Apuya, Nestor R.
APPLICANT: Tatarinova, Tatian
APPLICANT: Goldberg, Robert B.
APPLICANT: Goldberg, Robert B.
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Polynucileotides Useful for Modulating Transcription
FILE REFERENCE: 023070-114700US
CURRENT APPLICATION NUMBER: US/09/724,857
UNIMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide; OTHER INFORMATION: linker-primer US-09-724-857-25
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APPLICANT: Williams, Derrock Jeremy
APPLICANT: Williams, Derrock Jeremy
TITLE OF INVENTION: NEWATODE GS-LIKE SEQUENCES
FILE REPERENCE: 12557-004001
CURRENT APPLICATION NUMBER: US/10/098,602A
CURRENT PFLICE DATE: 2002-03-15
PRIOR APPLICATION NUMBER: US 60/276,621
PRIOR APPLICATION NUMBER: US 60/276,621
NUMBER OF SEQ ID NOS: 9
SOGTWARE: PeatSEQ for Windows Version 4.0
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Rothberg, Jonathan
Yang, Meljia
US-09-724-857-25; Sequence 25, Application US/09724857; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
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Matches 18; Conservative
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US-10-098-602A-7
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US-10-109-624-36
                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 25
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Knight, James
Kalbfleisch, Theodore
TITLE OF INVENTION: IDENTIFICATION AND COMPARISON OF
PROFIELY PROFIELY INTERACTIONS THAT OCCUR IN
                                                                                                                    POPULATIONS AND IDENTIFICATION OF INHIBITORS OF THESE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ch 100.0%; Score 18; DB 7; Length 50; Il Similarity 100.0%; Pred, No. 3.9e+02; 18; Conservative 0; Mismatches 0; Indels
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APPLICANT: Williams, Deryck Jeremy
APPLICANT: Salmon, Brandy Leigh
APPLICANT: Braddey, John D.
TILE OF INVENTION: NEWATODE PGM-LIKE SEQUENCES
FILE REFERENCE: 1257-003001
CURRENT APPLICATION NUMBER: US/10/082,894
CURRENT APPLICATION NUMBER: US/10/082,894
PRIOR APPLICATION NUMBER: US 60/271,781
PRIOR FILING DATE: 2001-02-27
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                      ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/10/109,624
FILING DATE: 28-Mar-2002
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATORNEY/AGRET 14.5UN-1996
ATORNEY/AGRET INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7934-045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; SEQUENCE DESCRIPTION: SEQ ID NO: 36: US-10-109-624-36
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APPLICATION NUMBER: 08/874,825
FILING DATE: 13-JUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 08/663,824
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                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 212-790-9090
TELEFAX: 212-869-8864
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                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 50 base pairs
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INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                     NUMBER OF SEQUENCES: 122
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                                                                                                                                     Query Match 100.0%; Score 18; DB 7; Length 50; Best Local Similarity 100.0%; Pred. No. 3.9e+02; Matches 18; Conservative 0; Mismaiches 0; Indels
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APPLICANT: RADBK, Christoph
TITLE OF INVENTION: HUMANIZATION OF MURINE ANTIBODY
FILE REPERENCE: TSRI 598 0.0 Coll
CURRENT APPLICATION NUMBER: US/10/078,757B
CURRENT FILING DATE: 2002-02-19
PRIOR APPLICATION NUMBER: US 08/986,016
PRIOR FILING DATE: 1997-12-05
NUMBER OF SEO ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 50
                                                          ; OTHER INFORMATION: Univeral primer to poly A tail US-10-082-894-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Synthetic PCR Primer US-10-078-7578-36
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                                 ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                            l agagagagagagagag 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: primer US-10-160-362-14
                                                                                                                                                                                                                                                                                                                 US-10-160-362-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 14
LENGTH: 50
LENGTH: 50
                  TYPE: DNA
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45.099 Million cell updates/sec
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1. /cgn2_6/ptodata/2/pna/tcTuS_COMB.seq:*

2. /cgn2_6/ptodata/2/pna/tcS0_COMB.seq:*

3. /cgn2_6/ptodata/2/pna/tcS01_COMB.seq:*

4. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

5. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

6. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

7. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

8. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

9. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

10. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

11. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*

11. /cgn2_6/ptodata/2/pna/tcS08_COMB.seq:*
GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21979536 seqs, 10817449327 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                   OM nucleic - nucleic search, using sw model.
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                              US-10-077-383-33
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                                                                                                                                                                                                                                                                                                                                                           Seguence:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                               / Cgn2_6/ptodata//pma/US6007_COMB.seq:
/ Cgn2_6/ptodata//pma/US6007_COMB.seq:
/ Cgn2_6/ptodata//pma/US6009_COMB.seq:
/ Cgn2_6/ptodata//pma/US6010_COMB.seq:
/ Cgn2_6/ptodata//pma/US6011_COMB.seq:
/ Cgn2_6/ptodata//pma/US6011_COMB.seq:
/ Cgn2_6/ptodata//pma/US6011_COMB.seq:
/ Cgn2_6/ptodata//pma/US6011_COMB.seq:
/ Cgn2_6/ptodata//pma/US6011_COMB.seq:
/ Cgn2_6/ptodata//pma/US6011_COMB.seq:
/ Cgn2_6/ptodata//pma/US6012_COMB.seq:
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/cgn2_6/ptodata/2/pna/US6006_COMB.seq:*
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/cgn2_6/ptcdata/2/pna/US6033_COMB.seq:*
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/cgn2_6/ptodata/2/pna/US6036_COMB.seq:*
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		Description	Sequence 702, App	702,	17, A	17,	6	Sequence 9, Appli	24	24,	6	Sequence 9, Appli	24,	24,	10,	10,	6868			7984,	, 57 s	Sequence 79, Appl	Sequence 121, App		323,	323,	446,	446,	589,	589,	603,	603,	614,
SUMMARIES	:	ID	PCT-US93-00977-702	PCT-US93-00977-702	US-08-068-298-17	US-08-068-298-17	US-08-154-792A-9	US-08-154-792A-9	US-08-154-792A-24	US-08-154-792A-24	US-08-163-449A-9	US-08-163-449A-9	US-08-163-449A-24	US-08-163-449A-24	US-08-208-572-10	US-08-208-572-10	US-08-237-491-6868	US-08-237-491-6868	US-08-296-757B-7984	US-08-296-757B-7984	US-09-177-650-79	US-09-177-650-79	US-09-306-333A-121	US-09-306-333A-121	US-09-625-102-323	US-09-625-102-323	US-09-625-102-446	US-09-625-102-446	US-09-625-102-589	US-09-625-102-589	US-09-625-102-603	-09-625-102-	US-09-625-102-614
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/cgn2_6/ptodata/2/pna/USOB__COMB.seq **

/cgn2_6/ptodata/2/pna/US097B_COMB.seq:*
/cgn2_6/ptodata/2/pna/US097B_COMB.seq:*
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/cgn2_6/ptodata/2/pna/US098B_COMB.seq:*
/cgn2_6/ptodata/2/pna/US098B_COMB.seq:*
/cgn2_6/ptodata/2/pna/US098C_COMB.seq:*
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/cgn2_6/ptodata/2/pna/US099B_COMB.seq:*

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/cgn2_6/ptodata/2/pna/US100_COMB.seq:*/cgn2_6/ptodata/2/pna/US101_COMB.seq:*

Mon Aug 26 10:18:22 2002

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TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA NUMBER OF SEQUENCES: 711
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        y Match 0.0%; Score 0; DB 1; Length 1; Local Similarity 0.0%; Pred. No. 0; hes 0; Conservative 0; Mismatches 1; Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: MUENCHAU, DARYL, ET AL.
TITLE OF INVENTION: METHOD FOR GENERATING APTAMERS OF
TITLE OF INVENTION: NON-PREDETERMINED OR SUBSTANTIALLY
TITLE OF INVENTION: NON-PREDETERMINED SEQUENCES
                                           ADDRESSEE: Knobbe, Martens, Olson, and Bear STREET: 620 Newport Center Dr. Sixteenth Floor CITY: Newport Beach
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMMUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PR-POS/MS-DOS
SOFRWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patantin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/00977
FTLING DATE: 19930129
                                                                                                                                                                                                                                                                                                                                                                                     HITACHI.006H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/068,298 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17, Application US/08068298 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/659,980
                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: HIT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
                                                                                                                                                                                                                                                                                                                                                 NAME: Altman, Daniel E. REGISTRATION NUMBER: 34,115
                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 702: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 611 West Sixth St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: CDNA to mRNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEIC ACID
                                                                                                                                                                     COMPUTER READABLE FORM:
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PCT-US93-00977-702
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                                                                                                                                               ZIP: 92660
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                                                                                                                STATE:
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                                                                                                                                                                                  Sequence 1352, Ap
Sequence 51773, A
Sequence 51773, A
Sequence 51841, A
                                                       895, App
895, App
982, App
982, App
1048, Ap
1352, Ap
                                                                                                                                                   Sequence 1048,
Sequence 1352,
     Sequence 614,
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                                                                                                                                                                                                                                                                                                                                                                               Sequence 702, Application PC/TUS9300977

GENERAL INFORMATION:
TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
NUMBER OF SEQUENCES: 711

CORRESPONDENCE ADDRESS:
ADDRESSEE: Rnobbe, Martens, Olson, and Bear
STREET: 620 Newport Center Dr. Sixteenth Floor
CITY: Newport Beach
                                                                                                              Sequence Sequence 1
                                                                              Sequence
                                           Sequence
                                                            Sequence
                                                                                                Sequence
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Local Similarity 0.0%; Pred. No. 0;
les 0; Conservative 0; Mismatches 1; Indels
                                                       US-09-625-102-895
US-09-625-102-895
US-09-625-102-982
US-09-625-102-982
US-09-625-102-1048
US-09-625-102-1352
US-09-625-102-1352
US-09-634-3068-51773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SYSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                          US-09-634-306B-51773
US-09-634-306B-51841
     US-09-625-102-614
                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HITACHI.006H
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; Sequence 702, Application PC/TUS9300977
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INPORMATION:
NAME: Altana, Daniel E.
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: HITAC
TELEPHONE: 714-760-0404
TELEPHONE: 714-760-0404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 714-760-9502
INFORMATION FOR SEQ ID NO: 702:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: CDNA to mRNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCJ
FILING DATE: 19930129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEIC ACID
EDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HYPOTHETICAL: N
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: US
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Gaps

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OTHER INFORMATION: where N also may be isoguanine or OTHER INFORMATION: isocytostine
             ; OTHER INFO
US-08-068-298-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: where N also may be isoguanine or ; OTHER INFORMATION: isocytostine US-08-058-198-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17, Application US/08068298
GENERAL INFORMATION:
APPLICANT: MIENCHAU, DARYL, ET AL.
TITLE OF INVENTION: METHOD FOR GENERATING APTAMERS OF
TITLE OF INVENTION: NON-PREDETERMINED OR SUBSTANTIALLY
TITLE OF INVENTION: NON-PREDETERMINED SEQUENCES
UNMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                              0.0%; Score 0; DB 4; Length 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.0%; Score 0; DB 4; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/068,298
                                                                                    193/051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/659,980
FILING DATE: FEBRUARY 21, 1991
ATTONNEY-AGENT INFORMATION:
NAME: CONSALVI, MARY S
REGISTRATION NUMBER: 32,212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
FILING DATE: February 21, 1991 ATTORNEY/AGENT INFORMATION:
                                                                             REFERENCE/DOCKET NUMBER: 193/C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 213-498-1600
TELEFAX: 213-955-0440
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
                                  NAME: CONSALVI, MARY S
REGISTRATION NUMBER: 32,212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             32,212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 19
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 611 West Sixth St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 17: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: nucleic acid
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213-955-0440
                                                                                                                                                                                                         LENGTH: 1 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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TYPE: nucleic acid
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APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TITLE OF INVENTION: and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS &
ADDRESSEE: CUSHMAN
                                                   1; Indels
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Query Match 0.0%; Score 0; DB 4; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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OPERATING SYSTEM: PC-DOS/MS-DOS
OPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/154,792A
FILING DATE: 17. Nov-1993
CLASSIFICATION: 435
                                                                                                                                                                                                                                                  Sequence 9, Application US/08154792A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-08-154-792A-9/c
; Sequence 9, Application US/08154792A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INFORMATION:
NAME: RESIDENCK, DAVIG S.
REGISTRATION NUMBER: 44824
REFERENCE/DOCKET NUMBER: 44824
TELEPHONE: (617) 523-3400
TELEPHONE: (617) 523-3400
TELEPHONE: (617) 523-6440
TELEPAX: (617) 523-6440
TELEPAX: 200291 STRE UR
INFORMATION FOR SED ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kolodner, Richard D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-154-792A-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Floppy disk
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EDNESS: single
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MEDIUM TYPE: Floppy
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APPLICATION NUMBER: US/08/154,792A
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GENERAL INFORMATION:
APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products, TITLE OF INVENTION: and Uses Therefor NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS & ADDRESSEE: CUSHMAN
       APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TITLE OF INVENTION: and Uses Therefor
NUMBER OF SEQUENCES: 44
                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSE: David 6. Conlin; DIKE, BRONSTEIN, ROBERTS 4.
ADDRESSEE: CUSHMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
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                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCHING RELEASE #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/154,792A
FILING DATE: 17-NOV-1993
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGBMT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REBERENCE/DOCKET NUMBER: 44824
TELECOMMUNICATION INFORMATION:
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: 00291 STRE UR
INFORMATION POR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) MOLECULE TYPE: DNA (genomic) US-08-154-792A-9
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                                                                                                                                                                                        STREET: 130 Water Street
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
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                                                                                                                                                                                                                                                                COUNTRY:
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APPLICANT: Reenan, Robert A.G.
APPLICANT: Rachard Robert A.G.
APPLICANT: Fishel, Richard
TILLE OF INVENTION: Mismatch Repair Genes, Gene Products,
TILLE OF INVENTION: and Uses Therefor
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: David G. Conlin; DIKE, BRONSTEIN, ROBERTS &
ADDRESSEE: CUSHMAN
STREET: 130 Water Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIBLE
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/154,792A
FILING DATE: 17-NOV-1993
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 44824
TELECOMMUNICATION INFORMATION:
TELEPRA: (617) 523-3400
TELEPRA: (617) 523-6440
TELER: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
FILING DATE: 17-NOV-1993
CLASSIFICATION: 435
ATTORNEY AGRET INFORMATION:
NAME: RESIGK, David S.
REGISTRATION NUMBER: 34,235
REFERRACE/DOCKET NUMBER: 44824
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                      TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
TELEX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 Dase pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     34,235
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MOLECULE TYPE: DNA (genomic)
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NAME: Resnick, David S.
REGISTRATION NUMBER: 34,2
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                              linear
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Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                              Sequence 9, Application US/08163449A
GENERAL INFORMATION:
APPLICANT: Kolodner: Richard D.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: AND USES THEREFOR NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NATA:
PTLING DATE: 07-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: DATID G. CONLIN; DIKE, BRONSTEIN, ADDRESSEE: ROBERTS & CUSHMAN STREET: 130 Water Street
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GENERAL INFORMATION:
APPLICANT: Kolodner, Richard D.
APPLICANT: Feenan, Robert A.G.
APPLICANT: Fishel, Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Resnick, David S.
REGISTRATION NUMBER: 34,234
REFERENCE/DOCKET NUMBER: 446
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-163-449A-9
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TELEFAX: (617) 523-6440
TELEX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 1 base pairs
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US-08-163-449A-9/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 24, Application US/08163449A
GENERAL INFORMATION:
APPLICANT: Kolodner, Richard D.
APPLICANT: Fesena, Robert A.G.
APPLICANT: Fishel, Richard
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: PRODUCTS,
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS_MS-DOS
COFTANRE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/163,449A
CLASSIFICATION: 435
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OPERATING SYSTEM: PC-DOS/MS-DOS
OPETWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
TITLE OF INVENTION: MISMATCH REPAIR GENES, GENE TITLE OF INVENTION: PRODUCTS, TITLE OF INVENTION: AND USES THEREFOR WIMBER OF SEQUENCES: 44 CORRESPONDENCE ADDRESS:
                                                                                                              ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, DADRESSEE: ROBERTS & CUSHWAN STREET: 130 Water Street CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ADDRESSEE: ROBERTS & CUSHMAN STREET: 130 Water Street
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; MOLECULE TYPE: DNA (genomic)
US-08-163-449A-9
                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Floppy disk
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EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 1 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
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US-08-163-449A-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Kolodner, Richard D.
APPLICANT: Reenan, Robert A.G.
APPLICANT: Fishel, Alchard
TITLE OF INVENTION: MISMATCH REPAIR GENES, GENE
TITLE OF INVENTION: PRODUCTS,
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSE: DAVID 6. COULIN; DIKE, BRONSTEIN,
ADDRESSEE: ROBERTS 6. CUSHWAN
STREET: 130 Water Street
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                                                                                                                                  44824-CIP-2
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APPLICATION NUMBER: US/08/163,449A FILING DATE: 07-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 12
US-08-163-4499A-24/C
Sequence 24, Application US/08163449A
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,234
REFERENCE/DOCKET NUMBER: 44824
TELECHONE: (617) 523-3400
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFAX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                                                         REFERENCE/DOCKET NUMBER: 44824
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-6440
TELEFAX: (617) 523-6440
TELEFX: 200291 STRE UR
INFORMATION FOR SEQ ID NO: 24:
                                                                                                           34,234
                                                                                                                                                                                                                                                                                                                                                                     ; MOLECULE TYPE: DNA (genomic) US-08-163-449A-24
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                                                               ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Floppy disk
                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 base pairs
                                                                                                                                                                                                                                                                                                           nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                                                                                                             REGISTRATION NUMBER:
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                                              CLASSIFICATION:
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| Sequence 10, Application US/08208572
| Sequence 10, Application US/08208572
| GENERAL INFORMATION:
| APPLICANT: Silberstein Ph.D., David S.
| APPLICANT: Balcewicz-Sablinska M.D., Maria K.
| APPLICANT: Balcewicz-Sablinska M.D., Gale W.
| TITLE OF INVENTION: ECEF
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APPLICANT: Balcewicz-Sablinska M.D., Maria K.
APPLICANT: Newman Ph.D., Gale W.
TITLE OF INVENTION: CONTROL OF HIV GROWTH WITH ECEF AND
                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.0%; Score 0; DB 6; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indelements
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APPLICATION NUMBER: US/08/208,572
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TELECOMMUNICATION INFORMATION:
TELEPRAN: (617) 227-5020
TELEPRAN: (617) 227-5020
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 424
ATTORNEY AGENT INFORMATION:
NAME: Kaplan Esq., Warren A.
REGISTRATION NUMBER: 34,199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; MOLECULE TYPE: DNA (genomic) US-08-208-572-10
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MEDIUM TYPE: Floppy disk
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STRANDEDNESS: single
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APPLICANT: Sellhamer, Angelo
APPLICANT: Jernigan, Colleen
APPLICANT: Levine, Wendy B.
TITLE OF INVENTION: SHEAR-STRESSED HUMAN UMBILICAL VEIN
TITLE OF SEQUENCES: 7326
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIA Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/237,491
FILING DATE: CONCURRENTLY herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                          NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHOATE, HALL, & STEWART
STREET: Exchange Place, 53 State Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFO WATER ATTORNEY/AGENT INFO WATER A BEGISTRATION NUMBER: 34.199
RECEISTRATION NUMBER: 34.199
REFERENCE/DOCKET NUMBER: 092662-002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-5620
TELEPHONE: (617) 227-566
INFORMATION FOR SED ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1 base pairs
TYPE: nucleic acid
STRPE: nucleic acid
STRPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/208,572
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; GENERAL INFORMATION:
TITLE OF INVENTION: ECEF
TITLE OF INVENTION: DERIVATIVES
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[: 2730 Sand Hill Road
Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                       Floppy disk
                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 424
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                                                                               Search completed: August 25, 2002, 00:32:26
Job time: 16384 sec
APPLICATION NUMBER: US 08/137,951
FILING DATE: 14-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,801
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                              IMMEDIATE SOURCE:
CLONE: Z-068903
                                                                                                                                                                                                                                                                                                                           US-08-237-491-6868
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August 25, 2002, 00:45:46; Search time 787.61 Seconds (without alignments) 62.364 Million cell updates/sec
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                          1737567 seqs, 1364410299 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                  OM nucleic - nucleic search, using sw model.
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Gapop 10.0 , Gapext 1.0
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Maximum DB seq length: 200000000
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                                                                                                                                                                                                                                                     Sequence:
                                                                                                                                                                                                                                                                                                                                                            Searched:
                                                                                                                         Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Pending_Patents_NA_New:*

1: /cgn2_6/ptodata/2/pna/FCT_NEW_COMB.seq:*
2: /cgn2_6/ptodata/2/pna/USOB_NEW_COMB.seq:*
3: /cgn2_6/ptodata/2/pna/USOB_NEW_COMB.seq:*
4: /cgn2_6/ptodata/2/pna/USOB_NEW_COMB.seq:*
5: /cgn2_6/ptodata/2/pna/USOB_NEW_COMB.seq:*
6: /cgn2_6/ptodata/2/pna/USID_NEW_COMB.seq:*
7: /cgn2_6/ptodata/2/pna/USID_NEW_COMB.seq:*
8: /cgn2_6/ptodata/2/pna/USID_NEW_COMB.seq:*
8: /cgn2_6/ptodata/2/pna/USOB_NEW_COMB.seq:*

Database :

SUMMARIES

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000000000000000000000000000000000000000			arity onser		RESULT 2 US-10-027-632-51773/C ; Sequence 51773, Application US/10027632 Sequence SIATA, Application US/10027632 ; SEDERAL INFORMATION: ; APPLICANT: Wang, David G. ; TITLE OF INVENTION: Identification and
000000000000000000		SULT 10-027-632-51733 SERGENCE 51773, APP113 SERGENCE 51773, APP113 SERGENCE 1 INFORMATION: TITLE OF INVENTION: TITLE OF INVENTION: TITLE OF INVENTION: FILE REFERENCE: 1086 CURRENY PAPLICATION NUPRION PRION FULNG DATE: 2 PRION FILING DATE: 1 PRION STILLING DATE: 1 PRION FILING DATE: 1	Query Match Best Local Simil: Matches 0; C	c 1	2 -632-51 :e 51773 .u INFORM :ANT: Wa OF INVE
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Mon Aug 26 10:18:22 2002

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GENERAL INCOMMATION: Javid G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
TILLE OF INVENTION: Polymorphisms in the Human Genome
FILE REPERRENCE: 108827.128
CURRENT FILING DATE: 2002-04-30
FRIOR APPLICATION NUMBER: US 60/18,676
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-24
PRIOR FILING DATE: 2000-02-29
PRIOR FILING DATE: 1099-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-02-28
PRIOR FILING DATE: 1999-01-03
PRIOR PRIOR PAPLICATION NUMBER: US 60/146,002
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: D19morphisms in the Human Genome
FILE REFERENCE: 108827.1932
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2000-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR APPLICATION NUMBER: US 60/198,5218
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR PILING DATE: 2000-02-24
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-08-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR PILING DATE: 1999-08-09
PRIOR FILING DATE: 1999-08-09
NUMBER OF SED ID NOS: 325720
SOFTWARE: FASTENCE OF WINDOWS VEFSION 4.0
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                                                                                                                                                                                                                                                                           Sequence 51841, Application US/10027632 GENERAL INFORMATION:
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ORGANISM: Human
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 10827-132
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR PALLICATION NUMBER: US 60/185,218
PRIOR PILING DATE: 1000-02-24
PRIOR FILING DATE: 1909-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-11-23
PRIOR RELING DATE: 1999-10-28
PRIOR PILING DATE: 1999-10-28
PRIOR PILING DATE: 1999-10-38
PRIOR FILING DATE: 1999-10-38
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FILE REFERENCE: 108927.129
CURREWY APPLICATION NUMBER: US/10/027,632
CURREWY APPLICATION NUMBER: US/10/027,632
CURREWY FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR RILING DATE: 2000-07-12
PRIOR RILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR APPLICATION NUMBER: US 60/198,483
PRIOR FILING DATE: 2000-03-29
PRIOR PRILING DATE: 2000-03-29
PRIOR PRILING DATE: 12000-03-29
PRIOR PRILING DATE: 1999-11-23
PRIOR PLILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR RILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR RILING DATE: 1999-10-38
PRIOR RILING DATE: 1999-10-38
PRIOR RELICATION NUMBER: US 60/146,002
PRIOR PILING DATE: 1999-09-28
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SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 51773
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Best Local Similarity 0.0%;
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Gaps

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; Sequence 52156, Application US/10027632; GENERAL INFORMATION:
             PRIOR FILING DATE: 2000-03-29
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827,128
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
FRIOR PRILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-29
FRIOR APPLICATION NUMBER: US 60/193,483
FRIOR FILING DATE: 2000-02-24
FRIOR FILING DATE: 2000-02-24
FRIOR FILING DATE: 2000-02-24
FRIOR FILING DATE: 1200-02-24
FRIOR FILING DATE: 1209-03-28
FRIOR FILING DATE: 1999-11-13
FRIOR APPLICATION NUMBER: US 60/167,363
FRIOR FILING DATE: 1999-09-28
FRIOR PAPLICATION NUMBER: US 60/166,002
FRIOR PILING DATE: 1999-09-28
FRIOR PAPLICATION NUMBER: US 60/166,002
FRIOR FILING DATE: 1999-09-28
FRIOR PILING DATE: 1999-09-08-09
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                                                                                                                                                                        Query Match 0.0%; Score 0; DB 7; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
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SOFTWARE: FastSEQ for Windows Version 4.)
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                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-027-632-52001/c
                                             : TYPE: DNA
; ORGANISM: Human
US-10-027-632-52001
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US-10-027-632-52051
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; SEQ ID NO 52001
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                          LENGTH: 1
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GENERAL INCRMATION:
JOURNEL OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.123
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-04-20
FRIOR FILING DATE: 2000-04-20
FRIOR FILING DATE: 2000-04-20
FRIOR APPLICATION NUMBER: US 60/198,676
FRIOR FILING DATE: 2000-03-29
FRIOR FILING DATE: 2000-03-29
FRIOR FILING DATE: 1909-11-23
FRIOR FILING DATE: 1909-11-23
FRIOR FILING DATE: 1999-11-23
FRIOR FILING DATE: 1999-11-23
FRIOR FILING DATE: 1999-11-23
FRIOR FILING DATE: 1999-11-23
FRIOR FILING DATE: 1999-08-38
FRIOR FILING DATE: 1999-11-23
FRIOR FILING DATE: 1999-08-38
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PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR PILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR APPLICATION NUMBER: US 60/156,958
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-08
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SOFTWARE: FastSEQ for Windows Version 4.0
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: DOLYMORPHISMS in the Human Genome
FILE REFERENCE: 10887.129
CURRENT APPLICATION NUMBER: US/10/027,632
APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Delymorphisms in the Human Genome
FILE REFRERNCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT PILING DATE: 2002-04-30
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PRIOR FILLING DATE: 2002-04-30
PRIOR FILLING DATE: 2002-04-30
PRIOR FILLING DATE: 2000-04-20
PRIOR PELICATION NUMBER: US 60/198, 676
PRIOR PELICATION NUMBER: US 60/193, 483
PRIOR FILLING DATE: 2000-04-20
PRIOR PELICATION NUMBER: US 60/193, 483
PRIOR FILLING DATE: 2000-02-24
PRIOR FILLING DATE: 2000-02-24
PRIOR PILLING DATE: 1999-11-23
PRIOR PELICATION NUMBER: US 60/167, 363
PRIOR PELICATION NUMBER: US 60/167, 363
PRIOR PELICATION NUMBER: US 60/167, 363
PRIOR PELICATION NUMBER: US 60/167, 369
PRIOR PELICATION NUMBER: US 60/166, 358
PRIOR PELICATION NUMBER: US 60/146, 002
PRIOR FILLING DATE: 1999-09-28
PRIOR FILLING DATE: 1999-09-28
PRIOR FILLING DATE: 1999-09-28
PRIOR FILLING DATE: 1999-09-28
PRIOR PELICATION NUMBER: US 60/146, 002
                                                                                                                                                 US-10-027-632-52156/c; Sequence 52156, Application US/10027632; GENERAL INFORMATION:
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US-10-027-632-52156
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US-10-027-632-52156
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0.0%; Score 0; DB 7; Length 1; 0.0%; Pred. No. 0;

Best Local Similarity

Query Match

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Gaps
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TITLE OF INVENTION: Identification and Mapping Of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION HUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
                                                                                                                                                                                                                                                          APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: POLYMORPHISMS in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
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PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR PILING DATE: 2000-07-12
PRIOR PILING DATE: 2000-07-12
PRIOR PILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR PILING DATE: 2000-02-24
PRIOR PLING DATE: 2000-02-24
PRIOR PLING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR APPLICATION NUMBER: US 60/15,363
PRIOR PILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-09-28
PRIOR PILING DATE: 1999-09-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR PLICATION NUMBER: US 60/185,218
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR RILING DATE: 1999-11-23
PRIOR RILING DATE: 1999-09-28
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PRIOR FILING DATE: 1999-08-09
NUMBER 00 SEQ ID NOS: 325720
SOFTWARRE: FRASTSEQ FOR WINDOWS VERSION 4.0
SEQ ID NO 52157
                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
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; Sequence 52157, Application US/10027632
; GENERAL INFORMATION:
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US-10-027-632-52157
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Search completed: August 25, 2002, 00:45:46
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REPERENCE: 108827.12
CURRENT PELLOATION NUMBER: US/10/027,6:2
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR PILING DATE: 2000-07-12
PRIOR PILING DATE: 2000-02-24
PRIOR PILING DATE: 2000-02-24
PRIOR PILING DATE: 1090-11-23
PRIOR PILING DATE: 1999-11-23
PRIOR PILING DATE: 1999-11-03
PRIOR PILING DATE: 1999-11-03
PRIOR PILING DATE: 1999-100-08
PRIOR PILING DATE: 1999-100-08
PRIOR PILING DATE: 1999-100-08
PRIOR PILING DATE: 1999-100-08
NUMBER OF SEQ ID NOS: 325720
SOFWARRE: PASSESQ for Windows Version 4.0
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TITLE OF INVENTION: Identification and Papping of Single Nucleotide
TITLE OF INVENTION: DOLYMORPHISMS in the Human Genome
FILE REFERENCE: 10827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT PILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/218,006
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NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 52177, Application US/10027632 ; GENERAL INFORMATION:
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; GENERAL INFORMATION:
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                                                                                                                                  ; ORGANISM: Human
US-10-027-632-52157
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US-10-027-632-52177
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                                                                                                           TYPE: DNA
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Dolymorphisms in the Human Genome
FILE REFERENCE: 10827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT APPLICATION NUMBER: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR PILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
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PRIOR PILING DATE: 2000-02-24
PRIOR PILING DATE: 100-01-24
PRIOR PLING DATE: 1999-11-23
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR PELING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR PILING DATE: 1999-09-28
PRIOR PILING DATE: 1999-09-8
                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Human
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial artigens
Patent: WO 9924578-A 25 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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/db_xref="taxon:32644"
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Copyright (c) 1993 - 2000 Compugen Ltd.
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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Pizza, M., Scarlatato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Neisserial antigens
Patent: WO 9924578-A 35 20-MAY-1999;
PIZZA MARRAGRAIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
Location/Qualifiers
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Patent: WO 924578-A 25 20-MAY-1999;
PIZZA MARIAGRAZIA (IT): SCARLATO VINCENZO (IT): RAPPUOLI RINO (IT);
CHIRON SPA (IT): GRANDI GUIDO (IT): MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: MO 9924578-A 35 20-MAY-1899;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Patent: MO 9924578-A 45 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: WO 924578-A 45 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
Location/Qualifiers
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antiques
Patent: WO 9224578-A 55 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Sequence 55 from Patent W09924578.
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Sequence 55 from Patent WO9924578.
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A96012.1 GI:6779898
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A96022.1 GI:6779903
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: WO 9224578-A 73 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANNI GUIDO (IT); MASIGNANI VEGA (IT)
                     Neisserial antigens
Paten: w 0924578-a 55 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza, M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: WO 9924578-A 73 20-MAY-1999;
PIZZA MARRAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
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Sequence 73 from Patent W09924578.
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Seguence 73 from Patent W09924578.
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Neisserial antigens
Patent: WO 9924578-A 91 20-MAY-1999;
PIZZA MARIAGRAIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRADIG GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Pizza, M., Scarlato, P. 20-May-1999;
Patent: WO 9924578-A 91 20-May-1999;
PIZZA MARRAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
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Sequence 91 from Patent WO9924578.
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A96058.1 GI:6779921
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Query Match

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Neisserial antigens
Patent: WO 9924578-A 109 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Patent: WO 9924578-A 109 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
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Pizza,M., Scarlato,V., Rappuoll,R., Grandi,G. and Masignani,V.
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Page 5

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unidentified.
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l (bases Lto 1)
Pizza,M., Scarlato,V., Rappuol.,R., Grandi,G. and Masignani,V.
Neisserial antigens
Petent: WO 9924578-A 119 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLAYO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GIIDO (IT); MASIGNANI VEGA (IT)
Location/Qualifiers
                                 linear PAT 07-SEP-2000
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                              A96086 1 bp DNA Sequence 119 from Patent W09924578. A96086 GI:6779935
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DEFINITION S
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RESULT 15
A96086
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AUTHORS
TITLE
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Search completed: August 24, 2002, 21:54:4: Job time: 22406 sec

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August 24, 2002, 19:40:47; Search time 623.77 Seconds (without alignments) 55.050 Million cell updates/sec
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GenCore version 4.5
Copyright (c) 1993 • 2000 Compugen Ltd.
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N_Geneseq_032802:*	1: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*	2: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*	3: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1982.DAT:*	4: /SIDS5/gcgdata/geneseg/genesegn-embl/NA1983.DAT:*	5: /SIDS5/gcgdata/geneseq/genesegn-emb1/NA1984.DAT:*	6: /SIDS5/gcgdata/geneseq/geneseqn-emb1/NA1985,DAT:*	7: /SIDS5/gcgdata/geneseq/geneseqn-emb1/NA1986.DAT:*	8: /SIDS5/gcgdata/geneseq/geneseqn-emb1/NA1987.DAT:*	9: /SIDS5/gcgdata/geneseq/geneseqn-emb1/NA1988.DAT:*	10: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1989.DAT:*	11: /SIDS5/gcgdata/geneseq/genesegn-embl/NA1990.DAT:*	` 	13: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*	14: /SIDS5/gcgdata/geneseq/geneseqn-emb1/NA1993.DAT:*	15: /SIDS5/gcgdata/geneseq/genesegn-emb1/NA1994.DAT:	16: /SIDS5/gcgdata/geneseq/geneseqn-emb1/NA1995.DAT:	17: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1996.DAT;	18: /SIDS5/gcgdata/geneseq/geneseqn-emb1/NA1997.DAT;	19: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1998.DAT:	20: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:	21: /SIDS5/gcgdata/geneseq/genesegn-embl/NA2000.DAT:*	22: /SIDS5/gcgdata/geneseq/genesegn-embl/NA2001A.DAT:	23: /SIDS5/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:	24: /SIDS5/qcqdata/qeneseq/qeneseqn-embl/NA2002 DAT:*
Database :																								

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		dР			SUMMARIES	
Result No.	Score		Query Match Length DB ID	DB	ID	Description
1	0	0.0		20	AAX57131	Human mutant KCNO3
0	0	0.0	1	20	AAX57131	Human mutant KCNO3
m	0	0.0	3	6	AAN80743	Sequence encoding
Ω 4	0	0.0	e	6	AAN80743	Segment and and
5	0	0.0	9	16	AAQ85491	Plasmid DEZZ318 th
و د	0	0.0	3	16	AA085491	Plasmid DE22318 th
7	0	0.0	3	17	AAT33326	CAPL trinicleotide
დ ა	0	0.0	3	17	AAT33326	CAPL trinucleotide
6	0	0.0	3	21	AAA94655	Human TUB gene pro

WPI; 1999-312938/26.

Human TUB gene pro Human breast cance	breast	6	brGF binding oligo	0	binding	Probe for target n	Probe for target n	Immunostimulatory	Immunostimulatory	Human breast cance	breast	Human breast cance	Human breast cance	Cyclin binding ham	binding	ပ	Synthetic probe fo	ea		binding		bror binding oligo	binding olig	e rep	Cleavable replicab	Fusarium sp. 185 r	cium s	Fungal telomeric n	1 telomeri	Oligonucleotide se	Oligonucleotide se	Oligonucleotide se	onucleotide s	enhancer sequ
3 21 AAA94655 3 22 AAL20244	22	16	16 AAQ8166	16	16 AAQ8166	18 AAT8638	18	18 AAT7725	18 AAT7725	22	22 AAL171	22 AAL243	22	22 AAF6145	22	10 AAN936	10	15 AAQ6875	15 AAQ6875	16	16 AAQ8166	16 AAQ8166	16 AAQ8166	17 AAT1204	17 AAT1204	19 AAV6166	19	13	19 AAT9	20 AAZ1069	20 AAZ1	20 AA	AAZ106	
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KCNQ2; KCNQ3; human; murine; potassium channel; diagnosis; prognosis; benign familial neonatal epilepsy; BFNE; juvenile myotonic epilepsy; JME; rolandic epilepsy; mutant; treatment; screening; epilepsy; detection; gene therapy; drug screening; primer; ss.
                                                                                                                                                                                                                                                                                                                          Charlier C, Leppert MF, Singh NA;
                                                                                          Human mutant KCNQ3 primer 26.
                     AAX57131 standard; DNA; 1 BP.
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                                                                                                                                                                                                                                                      98WO-US22375.
                                                                  22-JUL-1999 (first entry)
                                                                                                                                                                                   Homo sapiens.
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                                                                                                                                                                       Synthetic.
                                           AAX57131;
           AAX57131
RESULT
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proteins KCNO2 and KCNO3. Detecting mutations in sequences that encode KCNO2 or KCNO3, or the loss of one copy of these genes, is used for diagnosis and prognosis of benign familial neonatal epilepsy (BFNE). It transgenic animals) that express wild-type or mutant KCNO2 or 3 (also the proteins themselves in cell-free form) are used to screen for agents than be used to treat or prevent these forms of epilepsy. Fragments of the encoding nucleic acids are used as probes or primers, either for detecting mutations or for isolation of related sequences, while the complete sequences may be used in gene therapy to provide wild-type protein. Anthobides specific for mutant or wild-type proteins are used as a diagnostic reagents and for drug screening. The KCNO2 and 3 proteins are used are useful in rational design of drugs and therapeutically (in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      replacement therapies). The forms of epilepsy associated with mutations in KNO2 and 3 sequences can now be diagnosed early (before symptoms are manifest), and better treatment options will be available.

AAX57074-X57139 are primers used in the method of the invention.
                                                                                                                 This invention describes novel human and mouse potassium channel
Nucleic acid encoding potassium channels KCNQ2 and 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1 BP; 1 A; 0 C; 0 G; 0 U; 0 other;
                                                     Claim 65; Page 151; 195pp; English.
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KCNQ2; KCNQ3; human; murine; potassium channel; diagnosis; prognosis; benign familial neonatal epilepsy; BRNB; juvenile myotonic epilepsy; JMB; rolandic epilepsy; mutant; treatment; screening; epilepsy; detection; gene therapy; drug screening; primer; ss.
                            Gaps
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Query Match 0.0%; Score 0; DB 20; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nucleic acid encoding potassium channels KCNQ2 and 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Charlier C, Leppert MF, Singh NA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 65; Page 151; 195pp; English.
                                                                                                                                                                                                                Human mutant KCNQ3 primer 26.
                                                                                                                                      AAX57131 standard; DNA; 1 BP.
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This invention describes novel human and mouse potassium channel proteins KCNQ2 and KCNQ3. Detecting mutations in sequences that encode

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KCNQ2 or KCNQ3, or the loss of one copy of these genes, is used for diagnosis and prognosis of benign familial neonatal epilepsy (BFNE).

CC diagnosis and prognosis of benign familial neonatal epilepsy (BFNE).

CL transgenic animals) that express wild-type or mutant KCNQ2 or 3 (also the ranged to acrea forms of epilepsy. (RF) or 3 (also the correction themselves in cell-free form) are used to screen for agents that can be used to treat or prevent these forms of epilepsy. Fragments of the concoling mutations or for isolation of related sequences, while the complete sequences may be used in gene therapy to provide wild-type protein. Antibodies specific for mutant or wild-type proteins are used complete sequences and for mutant or wild-type proteins are used as diagnostic reagents and for mutant or wild-type proteins are used completed and forms of drugs and therapeutically (in replacement therapies). The forms of epilepsy associated with mutations in KCNQ2 and 3 sequences can now be diagnosed early (before symptoms are manifest), and better treatment options will be available.

CMANS7074-X57139 are primers used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence encoding complete mature and precursor forms of human tissue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       has gene encoding human tissue factor heavy chain protein and is useful for inhibiting coagulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   factor heavy chain proteins (huTFh & pre-huTFh, respectively).
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/product=pre-huTF
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P-PSDB; AAP80713.
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AAQ85491 standard; cDNA; 3 BP.
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                                        the sequence given here is claimed. Also claimed are antibodies which immunoreact with hurFH and the claimed peptides (given in AAP80713). The antibodies may be used in immunoassays for detection of hurFH. The claimed peptides may be used to inhibit the binding of hurF to coagulation factor VII/VIIa in vivo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A DNA segment with a nucleotide sequence from about 130 to about 918 of the sequence given here is claimed. Also claimed are antibodies which immunoreact with hurFH and the claimed peptides (given in AAP80713). The antibodies may be used in immunoassays for detection of hurFH. The claimed peptides may be used to inhibit the binding of hurF to coagulation factor VII/VIIa in vivo.
                              A DNA segment with a nucleotide sequence from about 130 to about 918 of
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence encoding complete mature and precursor forms of human tissue factor heavy chain proteins (huTfh & pre-huTfh, respectively).
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Disclosure; ; pp; English.
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0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           In synthetic analogs of turkey ovomucoid domain protein (6-56) (OWTKY3), given in AARG9818-24, the region immediately adjacent to the reactive site peptide bond is mutated to include the consensus sequence of furin or other serine protease. Polynucleotides encoding such analogs are incorporated into pEZZ318.thy2 and expressed in Escherichia coli RV308 (APCC 31608).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Protein inhibitors of serine proteinase(s), e.g. furin, deriv. from turkey ovomucoid third domain - used as laboratory reagents to study the proteinase(s), or as chemotherapeutic agents to treat diseases associated with them
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OWTKY3; turkey ovomucoid third domain peptide inhibitor;
furin inhibitor; protease inhibitor; pEZ2318.thy2; probe;
Escherichia coli; ss.
                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.0%; Score 0; DB 16; Length 3;
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                                                                                                       Length 3;
                                                                                                'Match 0.0%; Score 0; DB 9; Local Similarity 100.0%; Pred. No. 0; les 1; Conservative 0; Mismatches
Sequence 3 BP; 0 A; 0 C; 0 G; 0 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 3 BP; 0 A; 0 C; 0 G; 0 T; 3 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAQ85491 standard; cDNA; 3 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93US-008924B.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Plasmid pEZZ318.thy2.
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AAQ85491;

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Novel antisense oligonucleotides capable of inhibiting CAPL gene expression may include the trinucleotide duC (AR733326, given in 5' to 3' direction) found in codon 14 of CAPL mRNA. These and other antisense oligonucleotides (AA733327-36) complementary to specific regions of the CAPL gene (see also AA73335), as well as specific ribozynes (AA733337-40) can be administered to a patient as a means of inhibiting metastatic cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Engebraaten O, Fodstad O, Hovig E, Maelandsmo GJ;
                                                                                                                                 Engebraaten O, Fodstad O, Hovig E, Maelandsmo GJ
                                                                                                                                                                                                                                 Synthetic oligo:nucleotide(s) inhibiting CAPL gene expression -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic oligo:nucleotide(s) inhibiting CAPL gene expression useful to inhibit metastatic cancer, partic. osteosarcoma
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                                                                                                                                                                                                                                                        useful to inhibit metastatic cancer, partic. osteosarcoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.0%; Score 0; DB 17; Length 3;
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
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(NORA-) NORWEGIAN RADIUM HOSPITAL RES FOUND.
                                                                                           (NORA-) NORWEGIAN RADIUM HOSPITAL RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3 BP; 0 A; 1 C; 1 G; 1 U; 0 other;
                                                                                                                                                                                                                                                                                            Claim 2; Page 56; 70pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT33326 standard, RNA; 3 BP.
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                                    95uS-0391375.
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96WO-US02108
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                                                                            (HYBR-) HYBRIDON INC
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16-FEB-1996;
                                    17-FEB-1995;
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                                                                                                                                                      on Hofe E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Agrawal S,
Von Hofe E;
                                                                                                                                     Agrawal S,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Protein inhibitors of serine proteinase(s), e.g. furin, deriv. from turkey ovomucoid third domain - used as laboratory reagents to study the proteinase(s), or as chemotherapeutic agents to treat diseases associated with them
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                                                                                                                               OMTKY3; turkey ovomucoid third domain peptide inhibitor;
furin inhibitor; protease inhibitor; pEZZ318.thy2; probe;
Escherichia coli; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               th 0.0%; Score 0; DB 16; Length 3; Similarity 100.0%; Pred. No. 0; 1; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 42-45; 66pp; English.
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                                                                                                                                                                                                                                                                                                                                                                      93US-0089248.
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                                                       18-AUG-1995 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anderson S, Laskowski M;
                                                                                               Plasmid pEZZ318.thy2.
                                                                                                                                                                                                                                                                                                                                                                                                                                  (LASK/) LASKOWSKI M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1995-066900/09.
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                                                                                                                                                                                                                                                                                                                                                                                                               (ANDE/) ANDERSON S.
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W09625499-A1

Synthetic.

AAT33326;

RESULT

Query Match

Matches

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22-AUG-1996.

09-JUL-1993; 08-JUL-1994;

WO9502055-A.

Synthetic.

19-JAN-1995

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0.0%; Score 0; DB 21; Length 3;

Local Similarity 0.0%; pred. No. 0; les 0; Conservative 0; Mismatches

Query Match

Matches

Sequence 3 BP; 0 A; 0 C; 3 G; 0 U; 0 other;

genes of the present invention.

SXS

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The present invention relates to human and murine cDNAs from a neuroseansory defect associated gene family. The novel cDNAs are mouse tub form I (see AAA94632), mouse tub form II (see AAA94633), human TUB form 6 (see AAA94633), human TUDP (see AAA94633), human TUDP (see AAA94633), human TUDP (see AAA94633), human TUDP (see AAA94635), human TUDP) (see AAA94635), human TUDP) (see AAA94635), human TUDP) (see AAA94633), hu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
Novel antisense oligonucleotides capable of inhibiting CAPL gene expression may include the trinucleot.ed GUC (AAT33326, given in 5' to 3' direction) found in codon 14 of CAPL mRNA. These and other antisense oligonucleotides (AAT3337-36) complementary to specific regions of the CAPL gene (see also AAT33345), as well as CAPL-specific ribozynes (AAT3337-40) can be administered to a patient as a means of inhibiting metasitatic cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.0%; Score 0; DB 17; Length 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3 BP; 0 A; 1 C; 1 G; 1 U; 0 other;
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Matches 0; Conservative
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01-AUG-1997;
17-SEP-1997;
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The present invention relates to human and murine cDNAs from a neurosensory defect associated gene family. The novel cDNAs are mouse tub form I (see AAA94630), human TUB form I (see AAA94631), human TULP1 (see AAA94632), human TULP2 (see AAA94632), human TULP2 (see AAA94632), human TULP2 (see AAA94638). The novel coding sequences are useful as immunogens to raise antibodies that specifically identify TUB/TULP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          expressing cells and in drug screening assays directed at neurosensory defects. The novel proteins encoded by the present sequence can be used for the treatment of neurosensory degenerative conditions e.g. retinal dystrophies. The present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mammalian proteins expressed in retina and brain, useful for producing antibodies and for diagnosing neurosensory defects including cochlear degeneration, peripheral retinal degeneration and cone-rod retinal
                                                                                                                                                                                                                         Human; TULP; neurosensory defect; retina; retinal dystrophy; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      North M, Nishina P, Noben-Trauth K, Naggert J;
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                                                                                                    AAA94655 standard; DNA; 3 BP.
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97US-0904699
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                                                                                                                                                               15-JAN-2001 (first entry)
                                                                                                                                                                                           Human TUB gene probe #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AXYS-) AXYS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-586483/55
                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                           27-FEB-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The polynucieotides and encoded polypeptides are potential markers for detecting, diagnosing, monitoring, characterising treating and potentially preventing breast cancer. The polynucleotides and encoded polypeptides are also useful for isolating compounds with cytostatic activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to human breast cancer expressed polynucleotides AAALO5099) and methods of assessing whether a patient is afflicted with breast cancer by examining the correlation between the expression of certain markers and the cancerous state of breast cells.
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             l; Indels
                                                                                                                                                                                                                   Human breast cancer expressed polynucleotide 12701.
                                                                                                                                                                                                                                            Human; breast cancer; cell marker; cytostatic; ss.
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0.0%; Pred. No. 0;
Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lillie J, Xu Y, Wang Y, Steinmann K;
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                                                                                                                                    AAL20244 standard; cDNA; 3 BP.
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29-MAR-2000; 2000US-0193480.
15-MAY-2000; 2000US-0205320.
09-UNY-2000; 2000US-0211315.
25-JUL-2000; 2000US-0220534.
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              Conservative
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 Best Local Similarity
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                                                                                                                                                                                                                                                                         Homo sapiens
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The invention relates to human breast cancer expressed polynucleotides (AAL07544-AAL26789) and methods of assessing whether a patient is afflicted with breast cancer by examining the correlation between the arpression of certain markers and the cancerous state of breast cells. The polynucleotides and encoded polypeptides are potential markers for detecting, diagnosting, monitoring, characterising treating and potentially preventing breast cancer. The polynucleotides and encoded polypeptides are also useful for isolating compounds with cytostatic
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                                                              Human breast cancer expressed polynucleotide 12701
                                                                                                                            Human; breast cancer; cell marker; cytostatic; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 2245; 3695pp; English.
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24-WAR-2000; 2000US-0192099.
29-WAR-2000; 2000US-0193480.
15-WAY-2000; 2000US-0205234.
09-JUN-2000; 2000US-0211315.
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nes 0; Conservative
07-DEC-2001 (first entry)
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(PHAR-) PHARMAGENICS INC.
                                               Beutel BA, Joesten ME;
                                                                                          WPI; 1995-051992/07.
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                                                                                                                                                                                                                                                                                                                                                                                                               The sequences given in AAQ81642-95 are oligonuclectides which modulate the sequences given in AAQ81642-95 are oligonuclectides which modulate to the bFGF protein. Most esp. the sequences given in AAQ81664-67 represent core sequences of which at least one is present in each of the binding oligos. These oligonuclectides may form a single strand, double strand, a stem-loop structure, a bubble structure, a pseudoknot or a closed, circular structure. BFGF binds to high affinity receptor and low affinity heparin-like molecules on the affinity receptor and low affinity heparin-like molecules on the affinity receptor and heparin. These oligonuclectides may inhibit or enhance the activity of BFGF. Particularly, they inhibit neovascularisations of they can be used to suppress growth of soiled tumours and to reduce the risk of metastasis. They can be used as changed in the presence of thrombin, or used in
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                                                                                                                                                                                                                                                                                   New oligo-nucleotide(s) that bind to basic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bubble structure; pseudoknot; receptor; heparin; competition; inhibition; enhance; neovascularisation; solid tumour; cancer; metastasis; diagnosis; gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Basic; fibrobiast growth factor; bFGF; stem-loop structure;
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Matches 0; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                           Claim 3; Page 25; 44pp; English,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAQ81664 standard; RNA; 4 BP.
                                           94WO-US06884.
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                                                                                                                                                    (PHAR-) PHARMAGENICS INC.
                                                                                                                                                                                             Beutel BA, Joesten ME;
                                                                                                                                                                                                                                          WPI; 1995-051992/07.
                                        17-JUN-1994;
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                                                                                                         07-JAN-1994;
05-JAN-1995.
                                                                                      18-JUN-1993;
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AAQ81664/c
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The sequences given in AAQ81642-95 are oiigonucleotides which modulate
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                                                                                                                                                                                                                                                                          the activity of basic fibroblast growth factor (bFGF) by binding to the bFGF protein. Most esp. the sequences given in AAQB1664-67 represent core sequences of which at least one is present in each of
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                                                                                                                                                                                                                                                                                                                                                                                  the binding oligos. These oligonuclectides may form a single strand, double strand, a stem-loop structure, a bubble structure, a pseudoknot or a closed, circular structure. BFGF binds to high affinity receptor and low affinity heparin-like molecules on the cell surface. These oligonucleotides bind to bFGF in competition with its receptor and heparin. These oligonucleotides may inhibit
New oiigo-nucleotide(s) that bind to basic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis.
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                                                                                                                                                          Claim 3; Page 25; 44pp; English.
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New oligo-nucleotide(s) that bind to basic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis.

Claim 3; Page 25; 44pp; English.

The sequences given in AAQB1642-95 are oligonucleotides which modulate the activity of basic fibroblast growth factor (bFGF) by binding to the bEGF protein. Most esp. the sequences given in AAQB1664-67 represent core sequences of which a least one is present in each of the binding oligos. These oligonucleotides may form a single strand, double strand, a stem-loop structure, a bubble structure, a pseudoknot or a closed, circular structure. BFGF binds to high a finity receptor and low affinity heparin-like molecules on the affinity receptor and heparin. These oligonucleotides bind to bFGF in competition with its receptor and heparin. These oligonucleotides may inhibit or enhance the activity of bFGF. Particularly, they inhibit concascularisation so they can be used to suppress growth of solid tumours and to reduce the risk of metastasis. They can be used as thrombin, or used in gene therapy.

Sequence 4 BP; 0 A; 2 C; 1 G; 1 U; 0 other;

0; Gaps Query Match 0.0%; Score 0; DB 16; Length 4; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels

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1 c 1 a Search completed: August 24, 2002, 22:08:16 Job time: 8849 sec

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(without alignments)
30.766 Million cell updates/sec
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                                                                                                                                          August 24, 2002, 15:57:42 ; Search time 159.68 Seconds
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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/cgn2_6/ptodata/2/ina/%B_COMB.seq:*
/cgn2_6/ptodata/2/ina/%A_COMB.seq:*
/cgn2_6/ptodata/2/ina/%B_COMB.seq:*
/cgn2_6/ptodata/2/ina/%B_COMB.seq:*
/cgn2_6/ptodata/2/ina/%CTGS_COMB.seq:*
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Maximum Match 100%
Listing first 45 summaries
                                                                                             OM nucleic - nucleic search, using sw mode..
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Maximum DB seq length: 2000000000
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20
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Sequence:
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Description	Sequence 702, App		_	_	П	16,	16,	16,	28,	28,	35,	35,	35,	35,	35,	35,	3, A	m	15	15,	16.	16,	16,	16,	46.	46,	62,
ID	PCT-US93-00977-702	PCT-US93-00977-702	US-08-268-679B-8	US-08-268-679B-8	US-08-457-274A-16	US-08-457-274A-16	US-08-484-192-16	US-08-484-192-16	US-08-726-464B-28	US-08-726-464B-28	US-09-016-520-35	US-09-016-520-35	US-09-130-973-35	US-09-130-973-35	US-09-477-902-35	US-09-477-902-35	US-08-361-024-3	US-08-361-024-3	US-09-411-862A-15	US-09-411-862A-15	US-09-411-862A-16	US-09-411-862A-16	PCT-US95-(5758-16	PCT-US95-05758-16	US-07-791-213D-46	US-07-791-213D-46	US-07-791-213D-62
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62, Appl 27, Appl 27, Appl 22, Appl 22, Appl 22, Appl 46, Appl 63, Appl 2, Appl 2, Appl 2, Appl 2, Appl 3, Appl 4, Appl 5, Appl 6, Appl 7, Appl 7, Appl 8, Appl 8, Appl 8, Appl 8, Appl 8, Appl 9, Appl 9, Appl 9, Appl 9, Appl 9, Appl 9, Appl 9, Appl 1, App	RNA	Gaps 0;
sedneuce sed	MESSERNG ER	0;
	SURING OOF	Length 1; 1; Indels
US-07-791-213D-62 US-08-268-679B-7 US-08-268-679B-7 US-08-268-679B-7 US-08-267-43-22 US-08-267-36-22 US-08-203-150A-46 US-08-203-150A-46 US-08-203-150A-62 US-08-203-150A-62 US-08-203-150A-62 US-08-203-150A-62 US-08-203-150A-62 US-08-203-150A-62 US-08-203-150A-62 US-08-203-150A-62 US-08-803-150A-62 U	MENTS ENT FOR ixteenth version 7	Score 0; DB 5; Pred. No. 0; 0; Mismatches
	T 1 S93-00977-702 NERAL INFORMATION: METHOD AND REAG NERAL INFORMATION: METHOD AND REAG CORRESPONDENCE ADDRESS: 711 CORRESPONDENCE ADDRESS: 713 ADDRESSEE: Knobbe, Martens, Olson STREFT: 620 Newport Center Dr. S CITY: Newport Beach COUNTRY: USA ZIP: 73 ZIP: 9266 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: Parentin Release #10, COMPUTER: Datentin Release #10, COMPUTER: Parentin Release #10, COMPUTER: Datentin Release #10, COMPUTER: Parentin Release #10, CLASSIFICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: TELNG DATE: 19930129 CLASSIFICATION NUMBER: 34,115 FILING DATE: 19930129 CLASSIFICATION NUMBER: HITACHI. TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION	0.0%; larity 0.0%; Conservative
000000000000000000000000000000000000000	170. Application INFORMATION: OF INVENTION: ME OF INVENTION: OF INVENTION: OF INVENTION: OF SEQUENCES: POWNENCE ADDRESS: THE 620 Newport E: 620 Newport E: CA UNA TYPE: FLOPPY UNT YEE: FLOPPY UNT TYPE: TYPE: OF TYPE: FLOPPY UNT TYPE: TYPE: OF TYPE: FRENCE/DOCKET NUMBER: FRENCE/DOCKET N	Similarity 0; Conser
000000000000000000000000000000000000000	RESULT 1 PCT-US93-00977-702 SQUENCE TO A PAPILICATION P GENERAL INFORMATION: MET NUMBER OF EQUENCES: 71 CORRESPONDENCE AND ADDRESS: ADDRESSE: AND ADDRESSE: CORRESPONDENCE AND ADDRESSE: AND ADDRESSE: AND ADDRESSE: READ ADDRESSE: AND ADDRESSE: READ ADDRESSE: AND ADDRESSE: ADDR	atch cal
00000000000000000000000000000000000000	PCT-US93-0 Sequence GENERACI TITLE TITLE CORRE STA COURT COURT STA COURT	Query M Best Lo Matches
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NUCLEIC ACID
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                                                                                          CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-268-679B-8/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 n 1
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          PCT-0593-00977-702/c

FORTHORNATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
7111
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson, and Bear STREET: 620 Newport Center Dr. Sixteenth Floor CITY: Newport Beach
                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PR PC-DOS/MS-DOS
SOFRWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: WIMMER, ECKARD; MOLLA,
APPLICANT: AKHTERUZZAMAN; PAUL, ANIKO V.
TITLE OF INVENTION: DE NOVO CELL-FREE
TITLE OF INVENTION: SYNTHESIS PICORNAVIRUS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: HITACHI.006H
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: MORGAN & FINNEGAN, L.L.P. 345 PARK AVE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 8, Application US/08268679B; Patent No. 5674729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 702:
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FILING DATE: 19930129
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEIC ACID
EDNESS: double
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NEW YORK
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HYPOTHETICAL: N

ANTI-SENSE: NO

PCT-US93-00977-702
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RESULT
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APPLICANT: WIMMER, ECKARD; MOLLA,
APPLICANT: AKHTERUZZAMAN; PAUL, ANIKO V.
TITLE OF INVENTION: DE NOVO CELL-FREE
TITLE OF INVENTION: SYNTHESIS PICCRNAVIRUS
                                                                                                                                                                                                                                                                                   0887-4095 US2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
APPLICATION NUMBER: US/08/268,679B FILING DATE: 30-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07\846,914
FILING DATE: 06-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/268,679B FILING DATE: 30-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT # 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07\846,914
FILING DATE: 06-MAR-1992
CLASSIFICATION: 435
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FILING DATE: 24-UNY-1991
ATTORNEY/AGENT INFORMATION:
NAME: MARTA C.H. LIN
                                                                                                                                                   APPLICATION NUMBER: 07\719,761 FILING DATE: 24-JUN-1991 ATTORNEY/AGENT INFORMATION: NAME: MAKIA C.H. LIN REGISTRATION NUMBER: 29,323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8, Application US/08268679B Patent No. 5674729
                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 0887-TELECHOMUSICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DESCRIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORIGINAL SOURCE: N.A.
; POSITION IN GENOME: N.A.
US-08-268-679B-8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: MORGAN & F. STREET: 345 PARK AVE. CIIY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY I
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GENERAL INFORMATION:
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CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14603
                                                                              US-08-457-274A-16
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Patent No. 5734086
GENERAL INFORMATION:
APPLICANT: Scott, Jeffrey G.
APPLICANT: Tomita, Takashi
TITLE OF INVENTION: Cytochrome P4501pr Gene and Its Uses
                                                                                                                                                                                                                                                                                                                                                                                                                                                              l; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,274A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/240 (D-1519)
TELECOMUNICATION INFORMATION:
TELEPHONE: 716-263-1304
TELEFAX: 716-263-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Nixon, Hargrave, Devans & Doyle
STREET: P.O. Box 1051, Clinton Square
CITY: Rochester
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 0887-4095 JS2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                         DESCRIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 16:
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MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                             TELEX: 421792
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Musca domestica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
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SEGUENCE CHARACTERISTICS:
LENGTH: 2 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                           ANTI-SENSE: YES
ORIGINAL SOURCE: N.A.
POSITION IN GENOME: N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                    SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                            TYPE: NUCLEIC ACID
STRANDEDNESS: SINGI
                                                                                                                                                                                                                     UNKNOWN
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                                                                                                                                                                                                                                                                                                                                                         US-08-268-679B-8
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0; Gaps
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APPLICANT: Tomita, Takashi
TITLE OF INVENTION: Cytochrome P450lpr Gene and Its Uses
CORRESPONDENCE: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                   1; Indels
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                                                                                                                                                                 Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,274A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Nixon, Hargrave, Devans & Doyle STREET: P.O. Box 1051, Clinton Square CITY: Rochester STATE: New York COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DEVELOPMENTAL STAGE: Adult
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Chromosome 1
STRAIN: Learn-PyR
DEVELOPMENTAL STAGE: Adult
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Chromosome 1
                                                                                                                                                                                                                                                                                                                                                                                                         US-08-457_274A-16/c
Sequence 16, Application US/08457274A
Patent No. 5734086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIPICATION: 800
ATTORNEY/AGERT INFORMATION:
NAME: GOLdman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603
TELECOMMUNICATION INFORMATION:
TELEPHONE: 716-263-1304
TELEFAX: 716-263-1304
INFORMATION POR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Musca domestica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
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us-10-077-383-9.rni

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415-494-0792
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                      VERMAAS, ERIC
TOOLE, JOHN J
LATHAM, JOHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 2 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                       CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                    CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
                                                                                                                                                               STREET: /ɔc - ray: PALO ALTO
                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                        94304
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APPLICANT:
                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX:
                                        APPLICANT:
                                                       APPLICANT:
                       APPLICANT:
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: LOCATION: replace(1, "")

: OTHER INFORMATION: /note= "This is a biotin-17

OTHER INFORMATION: nucleotide stretch of abasic residues."

US-08-484-192-16
                                                                                                                                                                                                                                                      TITLE OF INVENTION: APTAMERS SPECIFIC FOR BIOMOLECULES AND TITLE OF INVENTION: METHODS OF MAKING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.0%; Pred. No. 0;
Matches 1; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     246102002221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 24610200222
REFERENCE/DOCKET NUMBER: 24610200222
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-494-0792
TELERA: 76141
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE GRARACTERISTICS:
LENGTH: 2 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/484,192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PE: Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                          ; Sequence 16, Application US/08484192; Patent No. 5756291
                                                                                                                                                                                                                                                                                                                                ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 16, Application US/08484192; Patent No. 5756291; GENERAL INFORMATION:
                                                                                                                                   GRIFFIN, LINDA C. ALBRECHT, GLENN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: GRIFFIN, LINDA C. APPLICANT: ALBRECHT, GLENN
                                                                                                                                                                       APPLICANT: LATHAM, JOHN
APPLICANT: LEUNG, LAWRENCE
APPLICANT: VERMAAS, ERIC
APPLICANT: TOOLE, JOHN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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US-08-484-192-16/C
                                                         US-08-484-192-16
                                                                                                                                   APPLICANT:
                                                                                                                                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 n 1
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COTHER INFORMATION: /note= "This is a biotin-17

COTHER INFORMATION: /note= "This is a biotin-17

COTHER INFORMATION: /notectide stretch of abasic residues."

US-08-484-192-16
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APPLICANT: CWIRLA, Steven A.
APPLICANT: CWIRLA, Steven A.
APPLICANT: WRIGHTON, Nicholas C.
APPLICANT: DUFFIN, David J.
APPLICANT: DUFFIN, David J.
APPLICANT: DUFFIN, Christopher R.
TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO THE
TITLE OF INVENTION: THROMBOPOIETIN RECEPTOR
NUMBER OF SUGURNES: 58
CORRESPONDENCE ADDRESS:
                                                                                 TITLE OF INVENTION: APTAMERS SPECIFIC FOR BIOMOLECULES AND TITLE OF INVENTION: METHODS OF MAKING NUMBER OF SEQUENCES: 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,192
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 07/934,387
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
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MEDION TYPE: Floppy disk
COMPUTER: TBM FC COMPOTER:
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5932546
GENERAL INFORMATION:
                                                                                                                                                                                                      E: MORRISON & FOERSTER 755 PAGE MILL ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: GRACEY, NANCY J. REGISTRATION NUMBER: 28,216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
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LEUNG, LAWRENCE
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GENERAL INFORMATION:
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APPLICANT: BARRETT, Ronald W.
APPLICANT: CWIRLA, Steven A.
APPLICANT: CWIRLA, Steven A.
APPLICANT: JOHNSON, Sherril S.
APPLICANT: WASSTROW, Lichlas C.
APPLICANT: DUFFIN, David J.
APPLICANT: WASSTROW, Christopher R.
TITLE OF INVENTION: THROMBOPOLETIN REJEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.0%; Score 0; DB 2; Length 2;
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APPLICATION NUMBER: US/08/726,464B FILIN DATE: 04-0CT-1996 CLASSIFICATION: 514
                                                                                                                                                                                              PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW
                   Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Two Embarcadero Center, 8th Floor
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                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 16528A-024100 TELECOMMUNICATION INFORMATION: TELEPHONE: 415/576-0200 TELEFAX: 415/576-0300 INFORMATION FOR SEQ ID NO: 28: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726,464B
FILING DATE: 04-0CT-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 28, Application US/08726464B
; Patent No. 5932546
                                                                                                                                                       IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY linear MOLECULE TYPE: nucleic acid
                                                                                                                                      Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 2 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                              ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                                    San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                          OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-726-464B-28
                                                                                                                                                         COMPUTER:
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APPLICANT: Manoharan, Muthiah
APPLICANT: Kawasaki, Andrew
APPLICANT: Kawasaki, Andrew
TILE OF INVENTION: Andrew
TILE OF INVENTION: ANDRER: US/09/016,520A
CURRENT APPLICATION NUMBER: US/09/016,520A
CURRENT FILING DATE: 1998-01-30
EARLIER APPLICATION NUMBER: 60/037,143
EARLIER FILING DATE: 1997-02-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 35
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APPLICANT: Manoharan, Muthiah
APPLICANT: Kawasaki, Andrew
TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (1).(2)
CTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-35
                                                              16528A-024100
NAME: Garrett-Wackowski, Eugenia
RECISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16528A-024
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 35, Application US/09016520A; Patent No. 6127533; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                       LENGTH: 2 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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US-09-477-902-35
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APPLICANT: Cook, Phillip Dan
APPLICANT: Prakash, Thazha P
APPLICANT: Rawasaki, Andrew M
TITLE OF INVENTION: Aminoxy-Modified Oligonucleotides And Methods For
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (1)...(2)
OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DWAOE)
OTHER INFORMATION: Description of Artificial Sequence: No. 6172209e1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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: OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy

US-09-016-520-35
               CURRENT APPLICATION NUMBER: US/09/016,520A CURRENT FILING DATE: 1998-01-30 EARLIER APPLICATION NUMBER: 60/037,143 EARLIER FILING DATE: 1997-02-14 NUMBER OF SED ID NOS: 47 SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/130,973
CURRENT FILING DATE: 1998-08-07
NUMBER OF SEQ ID NOS: 58
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 35, Application US/09130973; Patent No. 6172209
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                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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FILE REFERENCE: ISIS2824
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US-09-I30-973-35/c
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APPLICANT: Manoharan, Muthiah
APPLICANT: Cook, Phillip Dan
APPLICANT: Prakash, Thazha P
APPLICANT: Prakash, Thazha P
APPLICANT: Rawasaki, Andrew M
TITLE OF INVENTION: Making Same
FILE REPERBROKE: ISIS2955
CURREWT APPLICAND NUMBER: US/09/130,973
CURRENT FILING DATE: 1998-08-07
NUMBER OF SEQ ID NOS: 58
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; LOCATION: (1)..(2); CTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DWAOE); OTHER INFORMATION: Description of Artificial Sequence: No. 6172209e1; CTHER INFORMATION: Sequence
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CURRENT PEDLICATION NUMBER: US/09/477,902
CURRENT FILING DATE: 2000-01-05
PRIOR APPLICATION NUMBER: 09/016,520
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1999-01-30
RIOR FILING DATE: 1997-02-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin Ver. 2.1
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; Patent No. 6194598
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APPLICANT: Manoharan, Muthiah
APPLICANT: Kawasaki, Andrew
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Search completed: August 24, 2002, 21:57:39 Job time: 21597 sec

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(without alignments)
56.110 Million cell updates/sec
                                                                                   August 24, 2002, 15:37:17 ; Search time 4810.92 Seconds
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
                                                                                                                                                                                                                                                   13736207 seqs, 6748477542 residues
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Maximum Match 100%
Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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SUMMAR1; ES

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BE401958 BEA02349 BEA02349 BEA023519 BEA023519 BEA02374 BEA02374 BEA02520 BEA02520 BEA02520 BEA02520 BEA02520 BEA02530 BEA02530 BEA02530 BEA02530 BEA02530 BEA023337 AZ363337 AZ363337 CNSO03FE	ALIGNMENT T; 1 BP.	ated,	DKFzp564L2071_s1 tag. rdata; Craniata;		27 0712
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	rd; RNA;		SST ence	s; cata her M., -1999) pitz 18	S. Wiemann, sequenced by consortium of the German ance available at the RZPD tavailable at the RZPD tavailable at the RZPD: Ressourcentlottenburg, GERMANY; Ema Locatlon/Qualifiers 1 11 Add_xref="taxon:960"/Add_xref="taxon:960"/Organism="Homo sap/clone="bkRZP5641200"/clone="
000000000000000000000000000000000000000	standard;	9 (Rel. 9 (Rel.	ed (h	; Frimates; ; H., Boecher d (12-MAR-19 Klopferspit	S. Wi conso ance a is av is av ilotte
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Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone_lib="434 (synonym: htes3). Vector pSportl; host
DH10B; sites NotI + Sall"
/dev_stage="adult"
                                                                                                                                                                                                     Homo sapiens mRNA; EST DKFZp434J0410_s1 (from clone DKFZp434J0410)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rl sequence also available
this clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANN; Email: clone@rzpd.de
                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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/organism="Homo sapiens"
/clone="DKF2p434J0410"
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                     HSM003869 standard; RNA; EST; 1 BP.
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Butheria; Primates; Catarrhini; Hominidae; Homo.
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/clone="DRF2p564G1071"
/clone=lb="564 (synonym: hfbr2). Vector pAMP1; host
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
                                                                                                                                                                                    0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                                                                                                        Query Match 0.0%; Score 0; DB 2; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indel:
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12-WAR-1999 (Rel. 59, Last updated, Version 1)
X1-2blue; sites NotI + SalI"
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                                                                                 Sequence 1 BP; 0 A; 1 C; 0 G; 0 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /tissue_type="brain"
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Homo sapiens (human)
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostoml; Mammalia;
Butheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                         0; Gaps
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                                                                                                                       1; Indels
                                                                                   Query Match 0.0%; Score 0; DB 2; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels Matches
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12-WAR-1999 (Rel. 59, Last updated, Version 1)
                               Sequence 1 BP; 1 A; 0 C; 0 G; 0 T; 0 other;
/tissue_type="testis"
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Homo sapiens (human)
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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DH10B; sites NotI + SclI"
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                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens mRNA; EST DKFZp434H2214_rl (from clone DKFZp434H2214)
                               Duesterhoeft A., Lauber J., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                          rl sequence also available
This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                   Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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                                                                                   Clone from S. Wiemann, sequenced by Qiagen within the cDNA sequencing consortium of the German Genome Project
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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0.0%; Score 0; DB 2; Length 1;
Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches 1; Indels
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/dow_sites Not1 + Sal1"
/dew_stes="adult"
/tissue_type="testis"
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DH10B; sites NotI + SalI"
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Matches 0; Conservative 0; Mismatches
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AL046265.1 AL046265;

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Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
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DH10B: sites NotI + SalI"
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                                                                                                                                                                                                                                                                        Clone from S. Wiemann, sequenced by BMFZ within the cDNA sequencing consortium of the German Genome Project No 1 sequence available This clone is available at the RZPD in Berlin Please contact the RZPD: Ressourcentrum, Heubnerweg 6, 14059 Berlin-Charlottenburg, GERMANN; Email: clone@rzpd.de
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                                                                                                                                                                         Koehrer K., Beyer A., Mewes W., Gassenhuber J., Wiemann S.;
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                                                                                                                                                                                                                 Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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This clone is available at the RZPD in Berlin
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
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EST; expressed sequence tag.
                                         Homo sapiens (human)
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/dev_stage="adult"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-WAR-1999 (Rel. 59, Last updated, Version 1)
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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AL046265.1

AL046265;

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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Matches 0; Conservative 0; Mismatches
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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hll0B; sites NotI + SalI"
/dev_stage="adult" /
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                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens mRNA; EST DKFZp434N037_r1 (from clone DKFZp434N037)
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email clone@rzpd.de
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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                                                                                                                                                                                                        0.0%; Score 0; DB 2; Length 1; 0.0%; Pred. No. 0; tive 0; Mismatches 1; Indels
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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ID HSM011270 standard; RNA; EST; 1 BP.
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/clone="DKFZp586F0B17"
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DH10B: sites Not1 + SalI/MluI"
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Homo sapiens mRNA; EST DKFZp586P0817_r1 (from clone DKFZp586P0817)
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERWANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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BI416880.1 GI:15187903
Seq primer: T7 primer
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Pinus sylvestris/Heterobasidion annosum
Rukaryota; mixed EST libraries.

1 (bases 1 to 1)
Asiegbu, F.O., Nahalkova, J., Choi, W., Stenlid, J. and Dean, R.A.
Expressed sequence tags of randomly selected cDNA clones from the Interaction of the root rot fungus (Heterobasidion annosum) with unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hasp002x;20f Heterobasidion annosum - Scots pine infection stage
subtraction cDNA library (hasp) Pinus sylvestris/Heterobasidion
annosum cDNA clone hasp002x;20f, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /db_xref="taxon:9606"
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/clone_lib="586 (synonym: hutel). Vector pSportl; host DH108; sites Not! + Sall/Mlu!"
/dev_stage="adult"
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Dept. of Forest Mycology Apthology
Swedish University of Agriculture, Box 7026,S-750 07, Uppsala,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
                                                                           Homo sapiens mRNA; EST DKFZp586P0817_r1 (from clone DKFZp586P0817)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   No sl sequence available
This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERWANY; Email: clone@rzpd.de
                                                                                                                                                                                                                                                                                                                  Koehrer K., Beyer A., Mewes W., Gassenhuber J., Wiemann S.;
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Fax: +46 18 30 92 45
Email: Fred.Asiegbu@mykopat.slu.se
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stage subtraction cDNA library (hasp)"

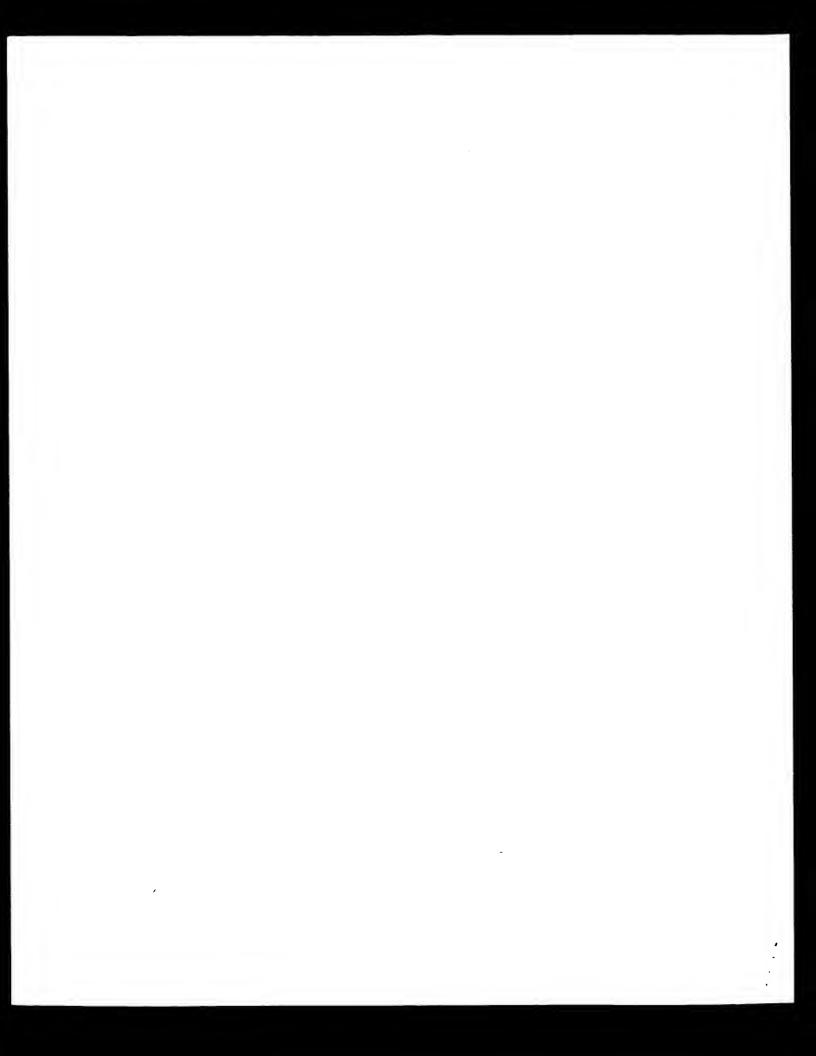
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/note="Weeter: pT-Adv; Site_1: EcoRI; The subtractive hybridization cDNA library was constructed from scots pine roots infected for 6-days with mycelia of Heterobasidon annosum (FPS)."

1 others
                                                                                                                                                                                           stage subtraction cDNA library (hasp)"

/dw_stage="Seedling roots of scots pine were infected for 6 days with H. annosum"
/note="weatch: pr-Adv; Site_1: EcoRI; The subtractive hybridization cDNA library was constructed from scots pine roots infected for 6-days with mycelia of Heterobasidon annosum (FP5)." I others
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/clone_lib="Heterobasidion annosum - Scots pine infection
                                                            /organism="Pinus sylvestris/Heterobasidion annosum"
/db_xref="hspacon:169015"
/clone="hspacon20210f"
/clone="heterobasidion annosum - Scots pine infection
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Dept. of Forest Mycology & Pathology
Swedish University of Agriculture, Box 7026,S-750 07, Uppsala,
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/db_xref="taxon:169015"
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Pinus sylvestris/Heterobasidion annosum
Eukaryota; mixed EST libraries.
1 (bases 1 to 1)
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Fax: +46 18 30 92 45
Email: Fred.Asiegbu@mykopat.slu.se
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Location/Qualifiers
Location/Qualifiers
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alou/896 1 bp mRNA linear EST 04-OCT-2001 G3-023 Axolotl Lambda Zap Library Ambystoma mexicanum cDNA similar to Putative heterochromatin-like protein 1, mRNA sequence.
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Cobract: Voss SR
Cobrado State University
Colorado State University
Fort Collins, CO 80523, USA
Fel: 970 491 0649
Email: srvoss@lamar.colostate.adu
Single pass sequence from 5' end. Low quality sequence was trimmed
from the ends (PHRED error rate = 5%). Trace file available:
coatton/Qualifiers
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Voss.S.R., King,D., Maness,N., Smith,J.J., Rondet,M., Bryant,S.V.,
Gardiner,D.M. and Parichly,D.M.
Expressed sequence tags from an axolot1 limb regeneration library
Unpublished (2001)
                                                                                                                                                                                                                                                                                              Ambystoma mexicanum
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomatidae;
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/tissue_type="Regenerating forelimb"
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A51708 Sequence 14
AR167586 Sequence
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AX323379 Sequence
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Matson. R.S., Coassin, P.J., Rampal, J.B. and Caskey, C.Thomas.
Oligonucleotide repeat arrays
Patent: US 5981185-A 72 09-NOV-1999;
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Copyright (c) 1993 - 2000 Compugen Ltd.
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SULPHUR CONTAINING DINUCLEOTIDE PHOSPHORAMIDITES
Patent: WO 9729116-A 2 14-AUG-1997;
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Matson, R.S., Coassin, P.J., Rampai, J.B. and Caskey, C.Thomas.
Oliqonucleotide repeat arrays
Patent: US 5981185-A 93 09-NOV-1999;
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        UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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Gray, D.M. and Clark, C.L.
Method for selectively ranking sequences for antisense targeting
Patent: US 5856103-A 8 05-JAN-1999;
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Gray, D.M. and Clark, C.L.
Method for selectively ranking sequences for antisense targeting
Patent: US 5856103-A 9 05-JAN-1999;
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Reese, C.B. and Rao, M.V.
SULPHUR CONTAINING DINUCLEOTIDE PHOSPHORAMIDITES
Patent: WO 9729116-A 5 14-AUG-1997;
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Krieg-A.M., Schetter,C. and Vollmer,J.C.
Immunostimulatory nucleic acids
Patent: Wo 0122972-A 908 05-APR-2001;
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Sequence 908 from Patent WO0122972.
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Sequence 5 from Patent WO9729116.
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A64739.1 GI:4530775
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Gray,D.M. and Clark,C.L.
Method for selectively ranking sequences for antisense targeting
Patent: US 5856103-A 10 05-JAN-1999;
Location/Qualiflers
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Gray, D.M. and Clark, C.L.
Wethod for selectively ranking sequences for antisense targeting
Patent: US 5856103-A 11 05-JAN-1999;
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Sequence 10 from patent US 5856103.
AR026547
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AR128993.
AR128993.1 GI:14116655
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Gray, D.M. and Clark, C.L.
Apparatus and method for selectively ranking sequences for
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Gray, D.M. and Clark, C.L.
Apparatus and method for selectively ranking sequences for
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Patent: US 6183966-A 10 06-FEB-2001;
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AR128995
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Location/Qualifiers
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Patent: US 6183966-A 8 06-FEB-2001;
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I (bases 1 to 24)
DRS Gray,D.W. and Clark,C.L.
E Apparatus and method for selectively ranking sequences for antisense targeting
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Description	Phoenhorothicate	Phosphorothicate o	Microsate]]ite sed	Immunostimulatorv	Sequence of micros	Target Seguence #2	Polv-pyrimidine ta	Antisense oligonuc	Antisense oligonuc
SUMMARIES	AAT86582	AAT86583	AA033557	AAF99703	AA033511	AAX00524	AAX00526	AAX00525	AAX00527
DB	1.8	18	13	22	13	20	20	20	20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                was prepared by solid phase synthesis. The method comprises adding at least one dimeric phosphoramidite synthen, optionally having a protected thioester group in its internucleotide link, during the synthesis cycle. These novel dimeric phosphoramidite synthens are used as antisense molecules for inhibition of gene expression. The method gives increased yields of the phosphorothiate oligonucleotide (since fewer cycles are needed) and facilitates separation of impuritles (greater difference in size compared with use of monomeric synthons).
                                                                                                                                                         The present sequence represents a phosphorothioate oligonucleotide which
                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                            Solid phase synthesis of phosphoro:thioate oligo:nucleotide(s) using new dimeric synthon(s) - useful as anti:sense molecules for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= a
/note= "Phosphorothioate linkages between alternate
nucleotides (1 and 2, 3 and 4 etc.)"
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                                                                                                                            Example 3; Page 20; 38pp; English.
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was prepared by soild phase synthesis. The method comprises adding at least one dimeric phosphoramidite synthon, optionally having a protected thioseter group in its interincleotide link, during the synthesis cycle. These novel dimeric phosphoramidite synthons are used as antisense molecules for inhibition of gene expression. The method gives increased
The present sequence represents a phosphorothioate oligonucleotide which
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                                                                                                                                                                                                                                                                      yields of the phosphorothiate oligonucleotide (since fewer cycles are needed) and facilitates separation of impurities (greater difference in size compared with use of monomeric synthons).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for parentage testing, and in the genetic mapping of economic trait loci, or genes involved the determinism of economically important traits esp. in cattle, to allow selective breeding. See also AA033501-34437.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polymorphic bovine DNA markers – used in genetic identification, gene mapping, and selective breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR; selection; primers; OPTIPRIM; breeding; cattle; parentage; genetic mapping; traits; amplification; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 20; DB 18; Length 21; 100.0%; Pred. No. 18; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 1 A; 10 C; 0 G; 10 T; 0 other;
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Query Match Matches

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The sequence is that of a bovine microsatellite sequence obtd, by screening a genomic library of bovine Mbol DNA fragments of between 250 and 500 bp with an (AC115 and a (TC115 Oligonucleotide probe. One out of 50 clones cross-hybridised. Assuming independent distribution of microsatellites and Mbol sites, the frequency of (Tf) n>9 microsatellites in the bovine genome is estimated at >100, 000. The sequence information for ca. 230 such bovine microsatellites is summarised in the specification and indexed herein (see below).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The sequences upstream and downstream of the microstellite sequence were used to generate the required PCR primers for in vitro amplification of the overses.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Polymorphic bovine DNA markers - used in genetic identification,
                                                                                                                                                                                                                                                                                                                                                                                            PCR; selection; primers; OPTIPRIM; breeding; cattle; parentage;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            traits esp. in cattle, to allow selective breeding. See also AAQ33501-34437.
                                                                                                                                                                                                                                                                                                                                          Sequence of mlcrosatellite from clone AGLA209.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 23 BP; 12 A; 0 C; 11 G; 0 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match
Best Local Similarity 100.0%; Fred. No. 18;
Best Local Similarity 0, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                    genetic mapping; traits; amplification; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gene mapping, and selective breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Table 7; Page 132; 517pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAX00524 standard; mRNA; 24 BP.
                                                                                                                                                                                     AAQ33511 standard; DNA; 23 BP
        l agagagagagagagag 20
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                                      22 AGAGAGAGAGAGAGAGAG 3
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                                                                                                                                                                                                                                                                                      02-FEB-1993 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Georges M, Massey JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1992-284684/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GENM-) GENMARK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JAN-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-JAN-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W09213102-A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bos taurus.
                                                                                                                                                                                                                                    AAQ33511;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vaccine: cytostatic; virucidal; bacte icldal; fungicidal; anti-parasitic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunostimulatory; tumour: viral infection; bacterial infection;
fungal infection; parasitic infection: cancer; asthma;
infectious disease; allergy; lmmune deficiency; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vaccinating against tumors, infectious diseases, allergies and asthmausing immunostimulatory Py-rich and \tau_{\rm G} nucleic acids
                                                                                                                                    Gaps
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                                                                    100.0%; Score 2); DB 13; Length 22; 100.0%; Pred. No. 18; tive 0; Mismarches 0; Indels
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Sequence 22 BP; 11 A; 0 C; 10 G; 0 U; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 22 BP; 0 A; 11 C; 0 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Immunostimulatory nucleic acid #819.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 101; Page 56; 338pp; English.
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                                                                                                                                                                                                                                                                                                                                                        AAF99703 standard; DNA; 22 BP
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                                                                                                                                                                                                                         3 agagagagagagagagag 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-JUN-2001 (first entry)
                                                                                                Local Similarity 100.0 les 20; Conservative
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WO200122972-A2

Synthetic.

AAF99703;

AAF99703/C RESULT

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05-APR-2001.

25-SEP-1999; 27-SEP-1999;

A PART A

Gaps

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0; Indels

97US-0808474.

97US-0808474 94US-0320507

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03-MAR-1997;
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                    Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence represents a target mRNA for the generation of antisense oligonucleotides (ASO) in a method of selectively ranking nucleic acid molecules for inhibitory efficiency. The method comprises:

(a) determining the fraction of each of a set of 13 nearest-neighbour nucleic acid base pair types in a target sequence zone RNA.ASO-UNA hybrid base pair fractions into formulas to determine the fractions of each of a series of 13 nearest-neighbour nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid dase pair types to provide determined fractions, and (c) multiplying the fractions of the 13 nearest-neighbour nucleic acid base pair types to provide nearest-neighbour nucleic acid base pair types by a stability ranking to produce a ranking. The process is used to rank nucleic acid sequences based on the stability of nucleic acid oligomer binding interactions to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                      Target; antisense; selective rank; inhibition; ranking; stability;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Target; antisense; selective rank; inhibition; ranking; stability;
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                                                                                Target sequence #2 for antisense oligonucleotides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         select sequence zones for antisense targeting.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Column 13-14; 72pp; English.
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                                        30-MAR-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                 (TEXA ) UNIV TEXAS.
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                                                                                                                                            interaction; ss
                                                                                                                                                                                                                                                                                                             03-MAR-1997;
                                                                                                                                                                                                                                                                                                                                                     03-MAR-1997;
                                                                                                                                                                                                                                                                                                                                                                         07-0CT-1994;
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                                                                                                                                                                                    Synthetic.
AAX00524;
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oligonucleotides (ASO) in a method of selectively ranking nucleic acid molecules for inhibitory efficiency. The method comprises:

(a) determining the fraction of each of a set of 13 nearest-neighbour nucleic acid base pair types in a target sequence zone RNA:ASO-DNA hybrid nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid base pair types in a target sequence zone RNA:ASO-DNA hybrid base pair fractions into formulas to determine the fractions of each of a series of 13 nearest-neighbour nucleic acid base pair types to provide determined fractions; and (c) multiplying the fractions of the 13 nearest-neighbour nucleic acid base pair types by a stability ranking to produce a ranking. The process is used to rank nucleic acid sequences based on the stability of nucleic acid oligomer binding interactions to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              select sequence zones for antisense targeting.
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                                                                                                                                                                                                                                                                                                                                                                Disclosure; Column 13-14; 72pp; English.
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Best Local Similarity
Matches 20; Conserva
                                                                                                                      WPI; 1999-105098/09
                                                              Gray DM;
(TEXA ) UNIV TEXAS.
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                                                           Clark CL,
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WPI; 1999-105098/09

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targeted to a poly-purine many sequence generated by a method of selectively ranking nucleic acid molecules for inhibitory efficiency.

The method comprises: (a) determining the fraction of each of ast of 13 nearest-neighbour nucleic acid base pair types in a target sequence. Cone RNA.ASO-DNA Myprid nucleic acid base pair fractions into formulas to nearest-neighbour nucleic acid base pair fractions into formulas to determine the fractions of each of a series of 13 nearest-neighbour nucleic acid base pair types to provide determined fractions; and contitiplying the fractions of the 13 nearest-neighbour nucleic acid base pair types by a stability ranking to the nucleic acid antisense sequences where the results are ordered to produce a ranking.

The process is used to rank nucleic acid sequences based on the sequence of the antisense for antisens
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                                                                                                                                                                                                                                                                                                                                                                                                                    Disciosure; Column i3-14; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence zones for antisense targeting.
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                         97US-0808474.
                                                  94US-0320507.
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                                                                                                                                                                                                      WPI; 1999-105098/09.
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                                                                                                   (TEXA ) UNIV TEXAS.
                                                                                                                                                   Clark CL, Gray DM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             interaction; ss.
                03-MAR-1997;
                                                07-0CT-1994;
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07-OCT-1994;
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This oligonucleotide represents an antisense oligonucleotides (ASO) stargeted to a poly-pyrimidine mRNA sequence generated by a method of selectively ranking nucleic acid molecules for inhibitory efficiency. The method comprises: (a) determining the fraction of each of a set of in nearest-neighbour nucleic acid base pair types in a target sequence zone RNA.ASO-DNA hybrid nucleic acid sequence: (b) substituting nearest-neighbour nucleic acid base pair fractions into formulas to determine the fractions of each of a series of 13 nearest-neighbour nucleic acid base pair types to provide determined fractions; and nucleic acid base pair types to provide determined fractions; and (c) multiplying the fractions of the 13 nearest-neighbour nucleic acid
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RNAasteriskDNA pyrimidineasteriskpurine duplex for use as an antisense
molecule, by heating a triplex to dissociate a Watson-Crick paired
                                                                                                                                                                                                                                                                                                                                                                                                               base pair types by a stability ranking to the nucleic acid antisense sequence; where the results are ordered to produce a ranking. The process is used to rank nucleic acid sequences based on the stability of nucleic acid oilgomer binding interactions to select
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Gaps
                                                   Selectively ranking nucleic acid molecules, for inhibitory efficiency - comprises determining the fraction a set of nearest-neighbour nucleic acid base pair types in a target sequence zone, substituting nearest-neighbour nucleic acid base pair fractions to determine the fractions and multiplying
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antisense therapy; gene expression controi; transcription; ss.
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                                                                                                                                                                            Disclosure; Column 13-14; 72pp; Engilsh.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence zones for antisense targeting.
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19-JAN-2000; 2000US-0487130.
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used as an antisense molecule and capable of recognising an RNA sequence for form a triplex. This involves Matson-Critô pairing. This is useful in antisense therapy, as it controls gene expression by causing transcription to be prevented. The present sequence is an example of a
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                                                                                                                                                                                                                                                                                                                                                                                                                               antisense therapy; gene expression control; transcription; ss.
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Mismatches
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nes 20; Conservative
20; Conservative
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                                                                The present invention describes a method for producing a nucleic acid molecule comprising a Hoogsteen-paired RNA:DNA duplex capable of being used as an antisense molecule and capable of recognising an RNA sequence to form a triplex. This involves Matson-Crick pairing. This is useful in antisense therapy, as it controls gene expression by causing transcription to be prevented. The present sequence is an example of a triplex sequence used in the methods of the Invention.
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                            Example 1; Page 9; 23pp; English.
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19-JAN-2000; 2000US-0487130.
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WO200105937-A2. 25-JAN-2001.

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                                                                                                                                                                                                                                                                                               Generating nucleic acid molecule comprising Hoogsteen-paired RNAasteriskDNA pyrimidineasteriskpurine duplex for use as an antisense molecule, by heating a triplex to dissociate a Watson-Crick paired
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                           antisense therapy; gene expression control; transcription; ss.
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            Hoogsteen-paired duplex; Watson-Crick pairing; triplex;
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The present invention describes a method for producing a nucleic acid molecule comperising a Hoogsteen-paired RNA:DNA duplace capable of being used as an antisense molecule and capable of recognising an RNA sequence to form a triplex. This involves Watson-Crick pairing. This is useful in antisense therapy, as it controls gene expression by causing transcription to be prevented. The present sequence is an example of a triplex sequence used in the methods of the invention.
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                                                                              Generating nucleic acid molecule comprising Hoogsteen-paired RNAasteriskDNA pyrimidineasteriskpurine duplex for use as an antisense
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                                                                                                                    molecule, by heating a triplex to dissociate a Watson-Crick paired
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                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 20; DB 22; Length 24; 100.0%; Pred. No. 18; Cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hoogsteen-paired duplex; Watson-Crick pairing; triplex;
                                                                                                                                                                                                                                                                                                                                             Sequence 24 BP; 12 A; 0 C; 12 G; 0 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acid triplex RNA sequence #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 14; Page 17; 23pp; English.
                                                                                                                                                                    Claim 14; Page 17; 23pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAF58001 standard; RNA; 24 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.0
Matches 20; Conservative
              Hashem GM;
                                              WPI; 2001-159523/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-159523/16.
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                                                                                                                                   pyrimidine strand -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-JUL-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-JAN-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic,
             Gray DM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAF58001;
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Search completed: August 24, 2002, 22:08:16 Job time: 8849 sec

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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

August 24, 2002, 21:57:39; Search time 159.68 Seconds Run on:

(without alignments) 30.766 Million cell updates/sec

US-10-077-383-29 20 Perfect score:

1 agagagagagagagag 20 Sequence:

Scoring table:

IDENTITY_NUC Gapop 10.0 , Gapext 1.0

767066 Total number of hits satlsfying chosen parameters:

383533 segs, 122816752 residues

Searched:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Issued_Patents_NA:* Database :

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/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/Ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/2/Ina/PCTUS_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMAFIES

			æ				
Result	11t		Query				
- :		Score	Match	Match Length	2	ΩI	Description
	-	20	100.0	20	~	US-08-863-639A-72	Sequence 72, Appl
ပ	7	20	100.0	20	N	US-08-863-639A-93	6
	٣	20	100.0	24	~	US-08-808-474A-8	
ပ	4	70	100.0	24	~	US-08-808-474A-9	òσ
ပ	S	50	100.0	24	~	US-08-808-474A-10	9
	9	20	100.0	24	~	US-08-808-474A-11	11
	7	20	100.0	24	4	US-09-235-614-8	
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	10	20	100.0	24	4	US-09-235-614-11	Ξ
O	11	20	100.0	26	4	US-08-860-038-19	16
ပ	12	20	100.0	56	4	US-09-580-923-19	16.
	13	50	100.0	28	m	US-08-946-138-1	1, 4
	14	50	100.0	28	4	US-09-225-652-1	Sequence 1, Appli
	15	20	100.0	32	Н	US-08-469-802B-28	28
	16	20	100.0	32	~	US-08-267-803B-46	46,
	17	50	100.0	44	Н	US-08-222-177A-385	385,
	81	20	100.0	46	-	US-08-249-112-5	S,
	19	50	100.0	46	'n	PCT-US95-06556-5	'n
	20	20	100.0	20	4	US-09-580-923-35	35,
ပ	77	20	100.0	22	-	US-08-222-177A-418	418
ပ	22	20	100.0	52	4	US-09-224-818A-2	7
O	23	20	100.0	57	4	US-09-224-818A-7	7
	24	20	100.0	28	4	US-08-860-038-13	7
O	25	20	100.0	58	4	US-08-860-038-14	14,
	56	20	100.0	28	4	US-09-580-923-13	13.
ပ	27	50	100.0	28	4	US-09-580-923-14	14,

Sequence 244, App Sequence 24, Appl Sequence 24, Appl Sequence 24, Appl Sequence 24, Appl Sequence 31, Appl Sequence 31, Appl Sequence 31, Appl Sequence 30, Appl Sequence 30, Appl Sequence 30, Appl Sequence 43, Appl Sequence 64,		
C 28 20 100.0 60 1 US-08-222-177A-244 C 30 20 100.0 78 2 US-08-588-983-24 C 31 20 100.0 78 2 US-08-588-983-24 C 32 20 100.0 78 2 US-08-588-993-24 C 33 20 100.0 78 2 US-08-588-976-24 C 33 20 100.0 91 1 US-08-222-177A-166 C 34 20 100.0 104 1 US-08-321-956-31 36 20 100.0 104 1 US-08-314-596-31 37 20 100.0 104 1 US-08-310-982-31 38 20 100.0 150 1 US-08-310-982-30 40 20 100.0 150 1 US-08-310-982-30 41 20 100.0 150 3 US-08-114-596-30 C 42 20 100.0 150 3 US-08-114-596-30 C 43 20 100.0 210 1 US-08-222-177A-23 C 44 20 100.0 243 1 US-08-222-177A-43 C 45 20 100.0 243 1 US-07-928-232-9	ALIGNMENTS	NESULT 1 15-08-663-639A-72 Sequence 72, Appllcation US/08863639A Sequence 72, Appllcation US/08863639A GENERAL INCORATION: GENERAL INCORATION: APPLICANT: Cassin, Peter J. APPLICANT: Rampal, Jang B. APPLICANT: Rampal, Jang B. APPLICANT: Caskey, C. T. TITLE OF INVENTION: OLIGONUCLECTIDE REPEAT ARRAYS NUMBER OF SEQUENCES: 95 CORRESPONDENCE ADDRESS: ADDRESSE: Sheldon & Mak STREET: 225 South Lake Avenue, 9th Floor CITY: Pasadena STREET: 225 South Lake Avenue, 9th Floor STREET: 225 South Lake Avenue, 9th Floor CITY: Pasadena STREET: ADDRESSE: ADDRESSE: Sheldon & Mak STREET: CA COUNTRY: USA ZIP: 9101 COMPUTER: Diskette, 3.50 inch, 1.44 Mb storage COMPUTER: Libm Competible OPERATING SYSTEM: Windows 95 SOFTWARE: Corel WordPerfect 8 version APPLICATION NUMBER: US/08/863,639A FILING DATE: May 28, 1997 CLASSITEATION WINDER: 105/6321 TELECAMIONICATION INFORMATION:
		as a contract of the contract

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Query Match 100.0%; Score 20; DB 2; Length 20; Best Local Similarity 100.0%; Pred. No. 1.4; Matches 20; Conservative 0; Mismatches 0; Indels

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Gaps ö

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APPLICANT: Gray, Donald M.
APPLICANT: Clark, Chris L.
TITLE OF INVENTION: METHOD FOR SELECTIVELY RANKING SEQUENCES TITLE OF INVENTION: FOR ANTISENSE TARGETING
NUMBER OF SEQUENCES: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 20; DB 2; Length 24; 100.0%; Pred. No. 1.4; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/808,474A
         COMPUTER: Eloppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DoS
COTRARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 0S/08/808,474A
ATLING DATE: 03-MAR-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2200 Ross Avenue, Suite 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Mayfield, Denise.
REGISTRATION NUMBER: 33,732
REFERENCE/DOCKET NUMBER: UTDAL:001
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                             REGISTRATION NUMBER: 33.732
REGISTRATION NUMBER: 33.732
REFERENCE/DOCKET NUMBER: UTDAL:001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (214) 740-8800
INFORMATION FOR SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9, Application US/08808474A Patent No. 5856103 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (214) 740-8000
TELEPAX: (214) 740-8000
INFORMATION FOR SEQ ID NO: 9: SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      l agagagagagagagagag 20
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.C
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER READABLE FORM:
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US-08-808-474A-8
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ZIP: 75201-6776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dallas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-808-474A-9/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
US-08-808-474A-9
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 20; DB 2; Length 20; 100.0%; Pred. No. 1.4; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: Diskette, 3.50 inch, 1.44 Mb storage IBM compatible SYSTEM: Windows 95
                                                                                                                                                                                 APPLICANT: Matson, Robert S.
APPLICANT: Coassin, Peter J.
APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, 9th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8 version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Locke Purnell Rain Harrell STREET: 2200 Ross Avenue, Suite 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/863,639A
FILING DATE: May 28, 1997
CLASSIFICATION: 435
                                                                                                              ; Sequence 93, Application US/08863639A; Patent No. 5981185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; MOLECULE TYPE: Other nucleic acid US-08-863-639A-93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 8, Application US/08808474A Patent No. 5856103 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY AGENT INFORMATION:
NAME: JOSEPH E. Mueth
REGISTRATION NUMBER: 20,532
REFERENCE/DOCKET NUMBER: 11859
TELECOMMUNICATION INFORMATION:
TELEPHONN: (626) 795-4000
TELEFAX: (626) 795-4321
INFORMATION FOR SEQ ID NO: 93:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base palrs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
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STATE: Texa.
COUNTRY: USA
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                                                                                                                                                             GENERAL INFORMATION:
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US-08-863-639A-93/C
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US-08-808-474A-8

Query Match

Gaps

91101 CA

COUNTRY:

STATE:

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                                                                                                                                                                                                                                                                         APPLICANT: Gray, Donald M.
APPLICANT: Gray, Donald M.
APPLICANT: Clark, Chris L.
TITLE OF INVENTION: METHOD FOR SELECTIVELY RANKING SEQUENCES
TITLE OF INVENTION: FOR ANTISENSE TARGETING
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Gray, Donald M.
APPLICANT: Gray, Donald M.
APPLICANT: Glark, Chris L.
TITLE OF INVENTION: FOR METHOD FOR SELECTIVELY RANKING SEQUENCES
TITLE OF INVENTION: FOR ANTISENSE TARGETING
NUMBER OF SEQUENCES: 37
100.0%; Score 20; DB 2; Length 24; 100.0%; Pred. No. 1.4; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 20; DB 2; Length 24; 100.0%; Pred. No. 1.4; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/808,474A
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                   Locke Purnell Rain Harrell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Locke Purnell Rain Harrell
STREET: 2200 Ross Avenue, Suite 2200
                                                                                                                                                                                                                                                                                                                                                                                                              2200 Ross Avenue, Suite 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           UTDAL:001
                                                                                                                                                                                                                  Sequence 10, Application US/08808474A; Patent No. 5856103; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 11, Application US/08808474A ; Patent No. 5856103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Mayfield, Denise L.
REGISTRATION NUMBER: 33,732
REFERENCE/DOCKET NUMBER: UTDAI
TELECOMMUNICATION INFORMATION:
TELEFAX: (214) 740-8800
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 agagagagagagagagag 20
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                     Best Local Similarity 100.(Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 37 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Dallas
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Texas
                                                                                                                                                                             RESULT 5
US-08-808-474A-10/c
                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
STREET: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TOPOLOGY:
US-08-808-474A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-808-474A-11
    Query Match
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GENERAL INCORNATION:
APPLICANT: GRAY, DONALD M.
APPLICANT: GRAY, DONALD M.
APPLICANT: CLARK, CHRISTOPHER L.
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
FILE REFERENCE: 91556/66384
CURRENT APPLICATION NUMBER: US/09/235,614
PRIOR APPLICATION NUMBER: 08/808,474
PRIOR APPLICATION NUMBER: 08/808,474
PRIOR APPLICATION NUMBER: 08/320,507
PRIOR FILING DATE: 1997-03-03
PRIOR FILING DATE: 1997-03-03
PRIOR FILING DATE: 1994-10-07
SUMMER OF SEQ ID NOS: 38
SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 20; DB 2; Length 24; Best Local Similarity 100.0%; Pred. No. 1.4; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OFRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/808,474A
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 8, Application US/09235614
; Patent No. 6183966
                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (214) 740-8000
TELEFAX: (214) 740-8800
INFORNATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                      NAME: Mayfield, Denise L. REGISTRATION NUMBER: 33,732 REFERENCE/DOCKET NUMBER: UTITELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 адададададададададад 20
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Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear
US-08-808-474A-11
                                                                      75201-6776
Dallas
                           Texas
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LENGTH: 24
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US-09-235-614-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: GLARY, DONALD M.
APPLICANT: GLARY, DONALD M.
APPLICANT: CLARY, CHRISTOPHER L.
TITLE OF INVENTION: AN APPRARATUS AND METHOD FOR SELECTIVELY RANKING
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
FILE REFERENCE: 91556/66384
CURRENT APPLICATION NUMBER: US/09/235, 614
CURRENT PILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 08/808,474
PRIOR FILING DATE: 1997-03-03
                                                                                                                         APPLICANT: GRAY, DONALD M.
APPLICANT: CLARK, CHRISTOPHER L.
TITLE OF INVENTION: AN APPARATUS AND METHOD FOR SELECTIVELY RANKING
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: Hybrid mRNA US-09-235-614-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence: Hybrid DNA US-09-235-614-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 20; DB 4; Length 24; Best Local Similarity 100.0%; Pred. No. I.4; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                        FILE DEFERENCE: 91556/66384
CURRENT APPLICATION NUMBER: US/09/235,614
CURRENT PILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 08/808,474
PRIOR FILLING DATE: 1997-03-03
PRIOR FILLING DATE: 1994-10-07
PRIOR FILLING DATE: 1994-10-07
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PATENTIN Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08/320,507
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                                                  Sequence 9, Application US/09235614 Patent No. 6183966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1997-03-03
PRIOR APPLICATION NUMBER: 08/3
PRIOR FILING DATE: 1994-10-07
NUMBER OF SEQ ID NOS: 38
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APPLICANT: GRAY, DC
                                                                                                        GENERAL INFORMATION: ; APPLICANT: GRAY, DO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 9
US-09-235-614-10/C
                         US-09-235-614-9/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 9
LENGTH: 24
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RESULT 10

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Gaps
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APPLICANT: CLARK, CHRISTOPHER L.
TITLE OF INVENTION: AN APPRATURS AND METHOD FOR SELECTIVELY RANKING
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
FILE REFERENCE: 91556/66384
CURRENT APPLICATION NUMBER: US/09/235,614
CURRENT PILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 08/808,474
PRIOR FILING DATE: 1997-03-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: Hybrid DNA US-09-235-614-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: CROUZET, Joel
APPLICANT: SCHERMAN, Daniel
APPLICANT: WILS, Pierre
APPLICANT: WILS, Pierre
TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION
TITLE OF INVENTION: WITH AN IMMOBILIZED OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/860,038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, Mailstop 3C43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 94/15162
FILING DATE: 16-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO FR95/01468
FILING DATE: 08-NOV-1995
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 19, Application US/08860038
Patent No. 6287762
GENERAL INFORMATION:
Sequence 11, Application US/09235614
Patent No. 6183966
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPAtible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: ST. TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 08/3
PRIOR FILING DATE: 1994-10-07
NUMBER OF SEO ID NOS: 38
SOFTWARE: PATENTIN VET. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 500 ALCOLUCITY: Collegeville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM:
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US-08-860-038-19/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: GLACIANT WILS, PEATE
APPLICANT: GLACIANT WILS, PEATE
APPLICANT: Blanche, Francis
TITLE OF INVENTION: PURPETCATION OF A PRIPLE HELIX FORMATION WITH AN
TITLE OF INVENTION: PURPETCATION OF A PRIPLE HELIX FORMATION WITH AN
TITLE OF INVENTION: PURPETCATION OF A PRIPLE HELIX FORMATION WITH AN
TITLE OF INVENTION: PURPETCATION OF A PRIPLE HELIX FORMATION WITH AN
TITLE OF INVENTION: PURPETCATION NUMBER: US/09/580,923
CURRENT APPLICATION NUMBER: US/09/580,038
PRIOR APPLICATION NUMBER: PCT/FR95/01458
PRIOR PILING DATE: 1995-11-08
PRIOR FILING DATE: 1995-11-08
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PALENTIN VEF. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
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APPLICANT: Glenn Albrecht, Sydney Brenner, David H. Lloyd
TITLE OF INVENTION: Massively Parallel Signature Sequencing by
TITLE OF INVENTION: Ligation of Encoded Adaptors
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Stephen C. Macevicz, Lynx Therapeutics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                          / Match 100.0%; Score 20; DB 4; Length 26; Local Similarity 100.0%; Pred, No. 1.4; hes 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 2); DB 4; Length 26; Best Local Similarity 100.0%; Pred, No. 1.4; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Description of Artificial Sequence; OTHER INFORMATION: oligonucleotide [8-09-580-923-19]
                                                                                                                                                                                  TOPOLOGY: 11near MOLECULE TYPE: Other nucleic acid DESCRIPTION: /desc = "Oligonucleotide" US-08-860-038-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 19, Application US/09580923
; Patent No. 6319672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 1, Application US/08946138
; Patent No. 6013445
                         TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
(610) 454-3816
                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 agagagagagagagag 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26 AGAGAGAGAGAGAGAGAG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Crouzet, Joel
Scherman, Daniel
                                                                                                    LENGTH: 26 base pairs
                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-580-923-19/c
     TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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0; Gaps
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NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 20; DB 3; Length 28; 100.0%; Pred. No. 1.4; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 3.1/DOS 5.0
SOFTWARE: Microsoft Word for Windows, vers. 2.0
                                                                                                                                                        COMPUTER: IBM compatible OPERATING SYSTEM: Windows 3.1/DOS 5.0 SOFTWARE: Microsoft Word for Windows, vers. 2.0 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/946,138
                                                                                                                                                                                                                                                             FILING DAFE:
CLASSIFICATION 135
PRIOR APPLICATION DATA;
APPLICATION NUMBER: 08/689,587
FILING DATE: 12-AUG-96
PRIOR APPLICATION DATA;
APPLICATION NUMBER: 08/659,453
FILING DATE: 06-JUN-96
ATTORNEY/AGENT INFORMATION;
NAME: Stephen C. Macevicz
REGISTRATION NUMBER: 30,285
REGISTRATION NUMBER: 30,285
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STREET: P.O. Box 60850
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/225,652
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            808-1<sub>us</sub>
                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 1, Application US/09225652
; Patent No. 6175002
; GENERAL INFORMATION;
STREET: 3832 Bay Center Place
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 801
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (510)670-9302
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERSTICS:
LENGTH: 28 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (510) 670-9365
(510)670-9302
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Best Local Similarity 100.0
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: double
                      Hayward
: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
                                                                    USA
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                                                                  COUNTRY: U
ZIP: 94545
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US-09-225-652-1
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0; Gaps
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APPLICANT: Ranum, Laura P.W.
APPLICANT: Chung, Minney Yi
APPLICANT: Copple, Minney Yi
APPLICANT: Copple, Huda Y.
TITLE OF INVENTION: Gene Sequence for Spinocerebellar Ataxia
Patent No. 5744645
TITLE OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mueting, Raasch, Gebhardt & Schwappach, P.A.
STREET: 119 No. 5741645th Fourth Street, Suite 203
COTTY: Minneapolis
COTTY: Minneapolis
                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match 100.0%; Score 20; DB 4; Length 28; Best Local Similarity 100.0%; Pred. No. 1.4; Matches 20; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,802B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
                                            NAME: Vincent M. Powers
REGISTRATION NUMBER: 36,246
REFERENCE/DOCKET NUMBER: 5525-0033
TELEPONNUMICATION INPORMATION:
TELEPHONE: (650) 324-0880
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 nuclectides
TYPE: nucleic acid
STRANDEDNESS: double
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MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 28, Application US/08469802B
; Patent No. 5741645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 612-305-1225
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 32 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Mueting, Ann M.
REGISTRATION NUMBER: 33,977
REPERBNEC-POCKET NUMBER: 110
TELECOMMUNICATION IRPORATION:
TELEPHONE: 612-305-1217
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9 AGAGAGAGAGAGAGAGAG 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
FILING DATE: 15-APR-1997
ATTORNEY/AGENT INFORMATION:
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MOLECULE TYPE: DNA
US-08-469-802B-28
                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
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100.0%; Score 20; DB 1; Length 32;

Query Match

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Gaps
          ;
            0; Indels
100.0%; Pred. No. 1.4;
tive 0; Mismatches
                             Best Local Similarity 100. Matches 20; Conservative
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Search completed: August 24, 2002, 21:57:39 Job time: 21597 sec

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August 24, 2002, 21:19:22; Search time 4810.92 Seconds (without alignments) 56.110 Million cell updates/sec
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                13736207 seqs, 6748477542 residues
                                                                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                      OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                   1 agagagagagagagag 20
                                                                                                                                                                                                                                                                       IDENTITY_NUC Gaport 1.0
                                                                                                                                                                                          US-10-077-383-29
                                                                                                                                                                                                               Perfect score:
                                                                                                                                                                                                                                                                     Scoring table:
                                                                                                                                                                                                                                                                                                                                Searched:
                                                                                                                                                                                                                                   Sequence:
                                                                                                                Run on:
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Post-processing: Minimum Match 10% Maximum Match 100% Listing first 45 summaries Minimum DB seq length: 0 Maximum DB seq length: 2000000000

EST: * Database:

em_gss_hum:* em_gss_inv:* em_gss_pln:* 1: em_estba:*
2: em_esthum:*
3: em_estin:* em_gss_vrt:* em_estmu:*
em_estov:*
em_estp1:*
em_estro:* gb_est1:*
gb_est2:* gb_htc:* a:ss6-q6 88: 10: 111: 123: 133: 15:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

1M0397B19 1M0476L04 1M0489I11 2M0096G06 1M0151E05 1M0354K22 1M0076C22 1M0367010 1M0504J06 1M0548C02 AZ433566 1M0219C02 AZ394897 1M0158H11 AZ771239 1M0573F15 AZ803946 2M0064P06 AZ813253 2M0080M20 1M0545H24 Description AZ394897 AZ689098 AZ6337978 AZ622888 AZ389918 AZ510124 AZ659095 AZ654804 AZ654804 AZ678594 AZ674804 AZ674804 AZ674804 AZ674804 AZ674804 AZ674804 AZ674804 SUMMARIES AZ510124 AZ659095 AZ664804 AZ666145 AZ71239 AZ803946 AZ813253 AZ433566 AZ342914 AZ579594 AZ389918 AZ641486 AZ394897 AZ627978 ü Query Score Match Length DB 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 20 100.0 100. 00000000000000 υU

2991 2991 5531 3739	000000	4012145388	A295694 240233007 A295694 2400233007 A2664037 1N0544E05 AV673465 AV673465 AZ64631 1N0510K10 AZ645311 1N0510K10 AZ645311 AMO510K10
12 AZ9398 12 AZ6329 12 AZ6555 12 AZ7764 12 AZ7764	222222	4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
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44444	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		00000 988 99000 944444

ALIGNMENTS

AZ433566 1M0219C02R Mouse 10kb plasmid clone UGGC1M0219C02 R, DNA sec AZ433566 AZ433566 AZ433566.1 GI:10557579 GSS. house mouse. Mus musculus Eukaryota, Metazoa; Chordata;	1 (bases 1 to 20) Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Nlederhausern, A. and Wright, D., Weiss, R., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Inger, J., Meiss, R., Stokes, R., Tingey, A., von Nlederhausern, A. and Wright, D., Weiss, R., Ingerts under Scaffolding with palred end reads from 10kb plasmid inserts Unpublished (2000) Context: Robert B. Weiss University of Utah Genome Center University of Utah Genome Center	
RESULT 1 AZ43356/C LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM	REFERENCE AUTHORS TITLE JOURNAL COMMENT	FEATURES

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/Jab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
//Jab_host="Vector: PWD42nv; Purified genomic DNA from M.
maculus G57BL/64 (male) was obtained from the Jackson
masculus G57BL/64 (male) was obtained from the Jackson
masculus C67BL/65 (male) was obtained from the Jackson
(http://www.jax.org/resources/documents/dares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinses. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and sie-selected for a 9.5 to
                                                                                                                                                                                                                                                                                                                                                                                                10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWT042 (gil4732114|gp]AF129072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for amplicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mus musculus
Bukaryota, Metazoa, Chordata, Craniata; Vertebrata, Euteleostoml;
Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AZ589098 21 bp DNA linear GSS 13-DEC-20C
1M0397B19R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Losses 1 to 21)

Dunn, D., Aoyaqi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Stokes, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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/clone_lib="Mouse 10kb plasmid UUGClM library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 20; DB 12; Length 21; 100.0%; Pred. No. 1.6e+03; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         clone UUGC1M0397B19 R, DNA sequence.
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Plate: 0397 row: B column: 19
Seg primer: CACACAGGAAACAGCTATGACC
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University of Utah Genome Center
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /db_xref="taxon:10090"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 100.
Matches 20; Conservative
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Fax: 801 585 7177
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ORIGIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT
                                                                                                                                                  (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared bNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWN42 (gil#132114 [#] pNR25072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into adaptored vector DNA, and transformed into chemically-competent E. coll XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A2394897 21 bp DNA linear GSS 03-OCT-2000 IM0158H1IR Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0158H1I R, DNA sequence.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 21)
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                                                             /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                        /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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Insert Length: 10000 Std Error: 0.00
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/strain="C57BL/6J"
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Fax: 801 585 7177
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Fax: 801
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
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1M0476L04F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0476L04 F, DNA sequence.
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                          /clone_lib="Mouse 10kb plasmid UUGClM library" /sex="Male"
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Insert Length: 10000 Std Error: 0.00
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Context: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Fax: 801 585 7177
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repeated with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114|gb|RF129072.1), a copy-number inducable derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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1M0489111F Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGCIM0489111 F, DNA sequence.
AZ633751
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
                                                                                                            /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, P-"
hote="vector: PWD42ny; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/clone_"UUGCIM0476L04"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
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Seq primer: CGTTGTAAAACGACGGCCAGT
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Insert Length: 10000 Std Errc
Plate: 0489 row: I column: 11
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/organism="Mus musculus"
/strain="C57BL/6J"
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Location/Qualifiers
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                                                                                                                              /sex="Male"
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Fax: 801 585 7177
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                                                                                                                                                                                                 Ambourded Cybruyon (Marter) was condition from the darkson laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil47321141gb AR129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (stratagene) cells and selected for ampicillin resistance."
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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2M0096G06R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0096G06 R, DNA sequence.
                                                                                                                              /lab_host="E. Coli strain XLIO-Gold, T1-resistant, F-"/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
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                      /db_xref="taxon:10090"
/clone="UUGC1M0489111"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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Insert Length: 10000 Std Error: 0
Plate: 0096 row: G column: 06
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
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Context: Robert B. Weiss
University of Utah Genome Center
University of Utah
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/strain="C57BL/6J"
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801 585 7177
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Ladoracus Mouse DNA Resources documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.05 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWN42 (qil4732114 |qb) AR129072.1), a copyrnumber inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically competent E. coli XL10-cold (Stratagene) cells and selected complian resistance."
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Dunn.D., Aoyagi.A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                        /lab_host="E. Coli strain XLIO-Gold, T1-resistant, F-"
hote="Vector: PRDAPATY; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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                                                                                /clone_lib="Mouse 10kb plasmid UUGC1M library"
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Class: plasmid ends
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah Genome Center
/db_xref="taxon:10090"
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                                 /clone="UUGC2M0096G06"
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Length: 10000 Std Erro
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Location/Qualifiers
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Fax: 801 585 7177
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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                                                                                                                                                                                                /note-"Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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                                            /strain="C57BL/6J"
/db_zref="taxon:10000"
/clone="UGCIMO151E05"
/clone_lib="Mouse 10kb plasmid UGGIM library"
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Insert Length: 10000 Std Error: 0.00
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AZ510124
                      /organism-"Mus musculus"
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Seq primer: CGTTGTAAAACGACGCCAAGT
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University of Utah Genome Center
University of Utah
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orlifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polymerlectied kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
University of Utah
Nm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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1M0536E18F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0536E18 F, DNA sequence.
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Dunn,D., Aoyai,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
.M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Welss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                   /lab_host="E. Coil strain XL10-Gold, T1-resistant, F-"
foote="Vector: PWD42nv; Purified genomic DNA from M.
musculus G57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/organism="Mus musculus"/strain="C57BL/6J"
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                                                                     /db_xref="taxon:10090"
/clone="UUGC1M0354K22"
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Insert Length: 10000 Std Erro.
Plate: 0536 row: E column: 18
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Fax: 801 585 7177
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Dunn.D., Aoyagi.A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,M., Stokes,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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/clone="UUGCIM0536E18"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
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Insert Length: 10000 Std Error: 0.00
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
  High quality sequence stop: 25.
Location/Qualifiers
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AZ664804.1 GI:11801950
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Fax: 801 585 7177
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/Max="watcror: PWD42nv; Purified genomic DNA from M. Inote="vector: PWD42nv; Purified genomic DNA from M. mansculus C57BL/64 (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwnya2 (gil4732114|gb|RF129072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to chemically-competent E. coli XLIO-Gold (Stratagene) cells and selected for ampicilling resistance."
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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Dunn, D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
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26 bp DNA linear GSS 29-SEP-200
1M0076C22F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0076C22 F, DNA sequence.
A2342914
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Insert Length: 10000 Std Error: 0.00
Plate: 0076 row: C column: 22
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                                                                                                  /organism="Mus musculus"
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High quality sequence stop: 25.
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/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus G7BL/60 (male) was obtained from the Jackson
Laboratory Mouse DNA Resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.05 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD4 (gil4732114) #D ARA29072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
chemically-competent E. coll XL10-Gold (Stratagene) cells
and selected for mapililin resistance."

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Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Rodentla; Sciurognathi; Muridae; Murinae;
I (bases 1 to 26)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,M., Stokes,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
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1M0367010F Mouse 10kb plasmid JUGCLM library Mus musculus genomic
clone UGCLM0367010 F, DNA sequence.
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/clone="UUGCIM0076C22"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
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Insert Length: 10000 Std Error: 0.00
Seq primer: CGTTGTAAAACGACGGCCAGT
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Context: Robert B. Weiss
University of Utah Genome Center
University of Utah Genome Center
                                                    High quality sequence stop: 26.
Location/Qualifiers
                                                                                                                                                               /strain="C57BL/6J
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Fax: 801 585 7177
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a was hydrodynamically sheared by repeated passage through a was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor other blunt ends in high molar excess. The adaptored bnA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwns, 2 (gilg/32114)gb)AR129072.1), a copy.number of pwns, 2 (gilg/32114)gb)AR129072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chamically-competent E. coll XL10-Gold (Stratagene) cells and selected campicallin resistance.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammaila; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, M., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                      /lab_host="E. Coli strain XLIO-Gold, T1-resistant, F-" hote="Vector: PRD42hor; Purified genomic DNA from M. musculus G57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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Plate: 0367 row: O column: 10
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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University of Utah Genome Center
University of Utah
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/clone="UUGC1M0367010"
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                    /sex="Male"
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Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared bNA was blunt end-repaired with T4 DNA polymerase and T4 polynuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarcse gel electrophoresis. Vector DNA was prepared from a derivative of pwRD42 (gil4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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1M0548C02F Mouse 10kb plasmid UUGClM library Mus musculus genomic
                                                                                                                                                                                                                                                                                                                                                                                /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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  Std Error: 0.00
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Insert Length: 10000 Std Error: Plate: 0504 row: J column: 06 Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                               /organism="Mus musculus"
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University of Utah Genome Center
University of Utah
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                                                                                                             High quality sequence stop: 26.
Location/Qualifiers
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                                                                                     Class: plasmid ends
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Fax: 801 585 7177
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_{\rm Rm} .308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 26)
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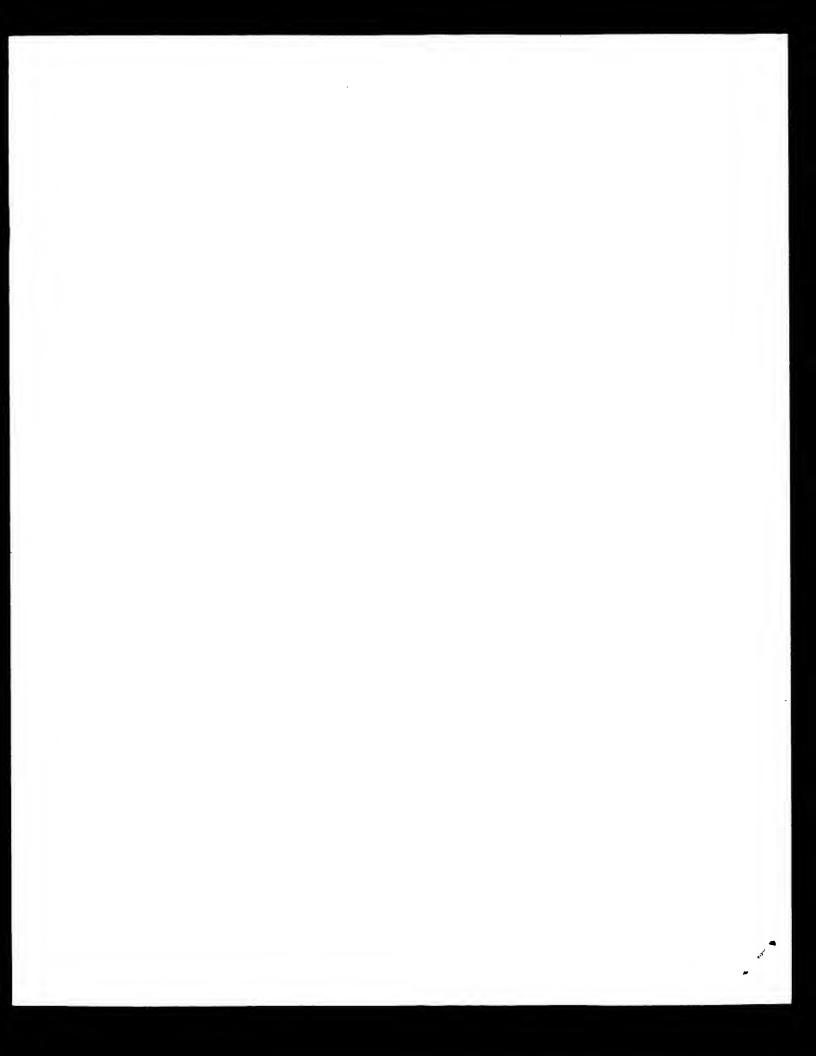
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Email: ddunn@genetics.utah.edu
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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                                                                                       Class: plasmid ends
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http://www.jac.user.bn.kesources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was but the norifice at constant velocity. The sheared DNA was but the card in high molar excess. The ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector by was prepared from a derivative of pwnd2 (qil4/32114|pp)AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically competent E. coll XL10-Gold (Stratagene) cells and selected for mapicillin resistance."
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Fax: 801 585 7177
Email: ddunn@qenetics.utah.edu
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Seg primer: CGTTGTAAAAGGGCGCAGT
Class: plasmid ends
High quality sequence stop: 26.
Location/Qualifiers
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Gaps ö Query Match 100.0%; Score 20; DB 12; Length 26; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 20; Conservative 0; Mismatches 0; Indels

Search completed: August 24, 2002, 21:19:25 Job time: 20528 sec



Perfect score: Scoring table:

Title:

Run on:

Sequence:

Searched:

Database :

Result

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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Neisserial antigens
Patent: WO 9224578-A 25 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
Location/Qualifiers
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       GenCore version 4.5
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Patent: M 924578-A 45 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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plzaz,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: WO 9924578-A 35 20-MAY-1999;
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Sequence 35 from Patent W09924578.
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Sequence 45 from Patent W09924578.
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: W0 294578-A 25 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: WO 9224578-A 35 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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1 (bases 1 to 1)
Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: NO 9924578-A 73 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
                   Neisserial antigens
Patent: WO 9924578-A 55 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Neisserial antigens
Patent: WO 9924578-A 73 20-MAY-1999;
PIZZA MARKAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
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Matches 1; Conservative 0; Mismatches
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Sequence 73 from Patent WO9924578.
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Meisserial antigens
Patent: WO 9242578-A 91 20-MAY-1899;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: WO 9924578-A 91 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Sequence 91 from Patent WO9924578.
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Dizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Patania artigens
Patent: WO 924578-A 109 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Patent: w0 924578-a 109 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoll,R., Grandi,G. and Masignani,V.
Nelsserial antigens
Patent: WO 9924578-4 119 20-MA/-1999;
PIZZA MARIAGRAZIA (IT): SCARLAVO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT): GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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proteins KCMO2 and KCMO3. Detecting mutations in sequences that encode (CKMO2) or the loss of one copy of these genes, is used for diagnosis and prognosis of benign familial neonatal epilepsy (BFNE). Juvenile myotonic epilepsy (JME) or rolandic epilepsy (RFE). Cells (or transgenic animals) that express wild-type or mutant KCMO2 or 3 (also the proteins themselves in cell-free form) are used to screen for agents that can be used to treat or prevent these forms of epilepsy. Fragments of the encoding muclaic acids are used as probes or primers, either for detecting mutations or for isolation of related sequences, while the complete sequences may be used in gene therapy to provide wild-type protein. Antibodies specific for mutant or wild-type proteins are used as diagnostic reagents and for drugs and therapeutically (in replacement therapies). The forms of epilepsy associated with mutations in KCMO2 and 3 sequences can now be diagnosed early (before symptoms are manifest), and better treatment options will be available.

AAX57074-X57139 are primers used in the method of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                           This invention describes novel human and mouse potassium channel
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Nucleic acid encoding potassium channels KCNQ2 and 3
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Matches 0; Conservative 0; Mismatches
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                                      Claim 65; Page 151; 195pp; English.
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ID AAX57131 standard; DNA; 1 BP.
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CKONQ2 or KCNO3, or the loss of one copy of these genes, is used for diagnosis and prognosis of benign familial neonatal epilepsy (BRNE), juvenile myotonic epilepsy (JME) or rolandic epilepsy (RRE). Cells (or transgenic animals) that express wild-type or mutant KCNO2 or 3 (also the proteins themselves in cell-free form) are used to screen for agents that can be used to stream for agents that can be used to treat or prevent these forms of epilepsy. Fragments of the encoding nucleic acids are used as probes or primers, either for encoding mutations or for isolation of related sequences, while the complete sequences may be used in gene therapy to provide wild-type protein. Antibodies specific for mutant or wild-type proteins are used as diagnostic reagents and for drugs screening. The KCNQ2 and 3 proteins are useful in rational design of drugs and therapeutically (in replacement therapies). The forms of epilepsy associated with mutations in KCNQ2 and 3 sequences can now be diagnosed early (before symptoms are manifest), and better treatment options will be available.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence encoding complete mature and precursor forms of human tissue
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mas gene encoding human tissue factor heavy chain protein and is
useful for inhibiting coagulation
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                    A DNA segment with a nucleotide sequence from about 130 to about 918 of the sequence given here is cialmed. Also claimed are antibodies which immunoreact with hurrH and the claimed peptides (given in AAP80713). The antibodies may be used in immunoassays for detection of hurrH. The cialmed peptides may be used to inhibit the binding of hurr to coagulation factor VII/VIIa in vivo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A DNA segment with a nucleotide sequence from about 130 to about 918 of the sequence given here is claimed. Also claimed are antibodies which immunoreact with hurFH and the claimed peptides (given in AAP80713). The antibodies may be used in immunoassays for detection of hurFH. The claimed peptides may be used to inhibit the binding of hurF to coagulation factor VII/VIIa in vivo.
                                                                                                                                                                                                                                                                                                                                     Sequence encoding compiete mature and precursor forms of human tissue factor heavy chain proteins (huTfh & pre-huTfh, respectively).
                                                                                                                                                                Gaps
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                                                                                                   Sequence 3 BP; 0 A; 0 C; 0 G; 0 T; 3 other;
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Disclosure; ; pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Protein inhibitors of serine proteinase(s), e.g. furin, deriv. from turkey ovomucoid third domain - used as laboratory reagents to study the proteinase(s), or as chemotherapeutic agents to treat diseases associated with them
                                                                                                                        0;
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furin inhibitor; protease inhibitor; pEZZ318.thy2; probe;
Escherichia coii; sa.
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ilarity 100.0%; Pred. No. 0;
Conservative 0; Mismatches
Sequence 3 BP; 0 A; 0 C; 0 G; 0 T; 3 other;
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Matches 1; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                          AAQ85491 standard; cDNA; 3 BP.
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                                                Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ANDE/) ANDERSON S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-JUL-1994;
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08-JUL-1994; 09-JUL-1993;

19-JAN-1995. WO9502055-A. Synthetic.

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Novel antisense cligonuclectides capable of inhibiting CAPL gene expression may include the trinuclectide GUC (AAT33326, given in 5' to 3' direction) found in codon 14 of CAPL mRNA. These and other antisense cligonuclectides (AAT33327-36) complementary to specific regions of the CAPL gene (see also AAT33345), as well as CAPL-specific ribozymes (AAT33337-40) can be administered to a patient as a means of inhibiting metastatic cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic oligo:nucleotide(s) inhibiting CAPL gene expression useful to inhibit metastatic cancer, partic. osteosarcoma
                                                                                                                                      Agrawal S, Engebraaten O, Fodstad O, Hovig E, Maelandsmo GJ;
                                                                                                                                                                                                                                      Synthetic oligo:nucleotide(s) inhibiting CAPL gene expression -
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                                                                                                                                                                                                                                                            useful to inhibit metastatic cancer, partic. osteosarcoma
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
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(NORA-) NORWEGIAN RADIUM HOSPITAL RES FOUND.
                                                                                                 (NORA-) NORWEGIAN RADIUM HOSPITAL RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 3 BP; 0 A; 1 C; 1 G; 1 U; 0 other;
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96WO-US02108
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                                                                              (HYBR-) HYBRIDON INC
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16-FEB-1996;
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Von Hofe E;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Protein inhibitors of serine proteinase(s), e.g. furin, deriv. from turkey ovomucoid third domain - used as laboratory reagents to study the proteinase(s), or as chemotherapeutic agents treat diseases associated with them
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                                                                                                                                    OMTKY3; turkey ovomucoid third domain peptide inhibitor;
furin inhibitor; protease inhibitor; pEZZ318.thy2; probe;
Escherichja coli; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.0%; Score 0; DB 16; Length 3; Best Local Similarity 100.0%; Pred. No. 0; Matches 1; Conservative 0; Mismatches 0; Indels
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                                                            18-AUG-1995 (first entry)
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                                                                                                      Plasmid pEZZ318.thy2.
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WO9625499-A1.

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AAT33326;

22-AUG-1996.

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Sequence 3 BP; 0 A; 0 C; 3 G; 0 U; 0 other;

genes of the present invention.

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                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Gaps
Novel antisense oligonucleotides capable of inhibiting CAPL gene expression may include the trinucleotide duG (AAT33326, given in 5' to 3' direction) found in codon 14 of CAPL mRNA. These and other antisense oligonucleotides (AAT33327-36) complementary to specific regions of the CAPL gene (see also AAT3335), as well as CAPL-specific ribozymes (AAT33337-40) can be administered to a patient as a means of Inhibiting metastatic cancer.
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neurosensory defect associated gene family. The novel CDNAs are mouse tub form I (see AAA94613), mouse tub form II (see AAA94613), human TUB form II (see AAA94613), human TUB form II (see AAA94613), human TULP1 (see AAA94613), human TULP2 (see AAA94613), human TULP3 (see AAA94613), human TULP3 (see AAA94613), human TULP3 (see AAA94613), and mouse TULP4 (see AAA94613). The novel coding sequences are useful as immunogens to raise antibodies that specifically identify TUBFYTULP defects. The novel proteins encoded by the present sequence can be used for the treatment of neurosensory degenerative conditions e.g. retinal genes of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mammalian proteins expressed in retina and brain, useful for producing antibodies and for diagnosing neurosensory defects including cochlear degeneration, peripheral retinal degeneration and cone-rod retinal
                                          Gaps
                                                                                                                                                                                                                                                                                                       Human; TULP; neurosensory defect; retina; retinal dystrophy; probe;
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                                       1; Indels
          Score 0; DB 21; Length 3;
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Ouery Match
Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
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04-SEP-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AALO7544-AAL26789) and methods of assessing whether a patient is affilted with breast cancer by examining the correlation between the expression of certain markers and the cancerous state of breast cells. The polynucleotides and encoded polypeptides are potential markers for detecting, diagnosing, monitoring, characterising treating and polypeptides are also useful for isolating compounds with cytostatic activity.
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           Gaps
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                                                                                                                                                                                                Human breast cancer expressed polynucleotide 12701.
                                                                                                                                                                                                                        Human; breast cancer; cell marker; cytostatic; ss.
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0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lillie J, Xu Y, Wang Y, Steinmann K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Page 2245; 3695pp; English.
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ID AAL20244 standard; cDNA; 3 BP.
                                                                                                                       AAL20244 standard; cDNA; 3 BP.
                                                                                                                                                                                                                                                                                                                                                        2000US-0189167.
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2000US-0205230.
                                                                                                                                                                                                                                                                                                                     10-JAN-2001; 2001WO-US00798.
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25-JUL-2000; 2000US-0220534.
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             Conservative
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Matches 0; Conserv
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                                                                                                                                                                                                                                                 Homo sapiens
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29-MAR-2000;
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The invention relates to human breast cancer expressed polynucleotides (AAL07544-AAL26789) and methods of assessing whether a patient is sefflicted with breast cancer by examining the correlation between the expression of certain markers and the cancerous state of breast cells. The polynucleotides and encoded polypeptides are potential markers for detecting, diagnosting, monitoring, characterising treating and potentially preventing breast cancer. The polynucleotides and encoded polypeptides are also useful for isolating compounds with cytostatic
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                                                  Human breast cancer expressed polynucleotide 12701.
                                                                                                           Human; breast cancer; cell marker; cytostatic; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bFGF binding oligomer core sequence #1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 2245; 3695pp; English.
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2000US-0192099.
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07-DEC-2001 (first entry)
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Best Local Similarity (
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                                                                                                                                                                                                                      WO200151628-A2
                                                                                                                                                                      Homo sapiens.
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                                                                                                                                                                                                                 New oligo-nucleotide(s) that bind to hasic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              bubble structure; pseudoknot; receptor; heparin; competition; inhibition; enhance; neovascularisation; soild tumour; cancer; metastasis; diagnosis; gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Basic; fibrobiast growth factor; bFGF; stem-loop structure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 0; DB 16; Length 4;
Pred. No. 0;
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0.0%; Pred. No. 0;
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                                                                                                                                                                                                                                                                                    Claim 3; Page 25; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAQ81664 standard; RNA; 4 BP.
                                                                 93US-0079677.
94US-0179491.
                                94WO-US06884.
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                                                                                                                (PHAR-) PHARMAGENICS INC.
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Best Local Similarity
                                                             18-JUN-1993;
07-JAN-1994;
                              17-JUN-1994;
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07-JAN-1994;
05-JAN-1995.
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The sequences given in AAQB1642-95 are oligonuclectides which modulate the activity of basic fibroblast growth factor (bFGF) by binding to the bFGF protein. Most eap. the sequences given in AAQB1664-67 represent core sequences of which at least one is present in each of the binding oligos. These oligonuclectides may form a single strand, double strand, a stem-loop structure. BFGF binds to high sequence of circular structure. BFGF binds to high eaffinity receptor and low affinity heparin-like molecules on the ceil surface. These oligonuclectides bind to bFGF in competition with its receptor and heparin. These oligonuclectides may inhibit necewascularisation so they can be used to suppress growth of solid moves and to reduce the activity of BFGF. Particularily, they inhibit necewascularisation so they can be used to suppress growth of solid tumours and to reduce the activity of metastasis. They can be used as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tumours and to reduce the risk of metastasis. They can be used as diagnostic reagents to determine the presence of thrombin, or used in
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                                                                                                                                                       New oiigo-nucieotide(s) that bind to basic fibroblast growth factor - modulating, esp. inhibiting, its activity, usefui in treating cancer, preventing metastasis, and diagnosis.
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                                                                                                                                                                                                                                                                                                                       Claim 3; Page 25; 44pp; English.
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Beutei BA, Joesten ME;
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New oligo-nucleotide(s) that bind to basic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis. Claim 3; Page 25; 44pp; English.

The sequences given in AAQB1642-95 are oligonucleotides which modulate the activity of basic fibroblast growth factor (bFGF) by blunding to the bEGF protein. Most esp. the sequences given in AAQB1664-67 represent core sequences of which at least one is present in each of the blunding oligos. These oligonucleotides may form a single strand, double strand, a stem-loop structure, a bubble structure, a pseudoknot or a closed, circular structure. BrGF binds to high affinity receptor and low affinity heparin-like molecules on the filmity receptor and heparin. These oligonucleotides may inhibit or enhance the activity of DBFGF. Particularly, they inhibit or enhance the activity of DBFGF. Particularly, they inhibit or enhance the activity of DBFGF. Particularly, they inhibit or enhance the activity of DBFGF. Particularly, they inhibit or enhance the activity of DBFGF. Particularly, they inhibit or enhance the risk of metastasis. They can be used as diagnostic reagents to determine the presence of thrombin, or used in

Sequence 4 BP; 0 A; 2 C; 1 G; 1 U; 0 other;

0; Gaps 1; Indels Ouery Match 0.0%; Score 0; DB 16; Length 4; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels

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1 c 1

Search completed: August 24, 2002, 22:08:16 Job time: 8849 sec

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		2, App			App11	Appl	Appl	Appl	App1	App1	App1	Appl	Appl	Appl	Appl	Appl	Appl	Appli	App11	App1	App1	App1	App1	Appl	App1	Appl	Appl	App1
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	Description	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sednence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
	DI	PCT-US93-00977-702	PCT-US93-00977-702	US-08-268-679B-8	US-08-268-679B-8	US-08-457-274A-16	US-08-457-274A-16	US-08-484-192-16	US-08-484-192-16	ŗ	US-08-726-464B-28	US-09-016-520-35	US-09-016-520-35	US-09-130-973-35	US-09-130-973-35	US-09-477-902-35	US-09-477-902-35	US-08-361-024-3	US-08-361-024-3	US-09-411-862A-15	Н	US-09-411-862A-16	US-09-411-862A-16	PCT-US95-35758-16	PCT-US95-35758-16	US-07-791-213D-46	7-791-	US-07-791-213D-62
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3 1 US-07-791-213D-62 3 1 US-08-268-6798-7 3 1 US-08-295-743-22 3 1 US-08-295-743-22 3 1 US-08-295-743-22 3 1 US-08-602-036A-2 3 1 US-08-602-036A-2 3 1 US-08-293-150A-46 3 1 US-08-293-150A-66 3 1 US-08-293-150A-66 3 1 US-08-502-74A-2 3 US-08-642-407A-2 3 US-08-642-407A-2 3 US-08-642-407A-2 3 US-08-642-407A-2 3 US-08-642-407A-2 3 US-08-642-407A-2 3 US-08-642-407A-2 3 US-08-642-407A-2 3 US-08-873-709-9 3 US-08-873-709-9	PC/TUS9300977 ETHOD AND REAGENT FOR MEASURING 711 Hartens, Olson, and Bear Center Dr. Sixteenth Floor states #1.0, Version #1.25 Release #1.0, Version #1.25 Release #1.0, Version #1.25 Rates #1.15 29 20 20 20 20 20 20 20 20 20 20 20 20 20	0%; Score 0; DB 5; Length 1; %; Pred. No. 0; 0; Mismatches 1; Indel
000000000000000000000000000000000000000	702, APPLICATION TO INFORMATION: OF INVENTION: R OF SEQUENCES: RESSEE: KNObbe, EET: 620 Newport EET: CA NEWPORT Beac THE: PACE THE:	Similarity O; Conservat
20000000000000000000000000000000000000	SULT 1 T-US93-00 Sequence Sequence TITLE (NUMBER CORRES STREI STRAT STREI COMPUTI MEDIU MEDIU MEDIU MEDIU FILLI FILLI FILLI FILLI FILLI TELECO TELEC	Ouery Match Best Local Matches 1 n 1
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TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 n 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
                                                                         TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                ADDRESSEE: Knobbe, Martens, Olson, and Bear STREET: 620 Newport Center Dr. Sixteenth Floor CITY: Newport Beach
                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 19930129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: WIMMER, ECKARD; MOLLA,
PAPLICANT: AKHTENGZAMAN: PAUL, ANIXO V.
TITLE OF INVENTION: DE NOVO CELL-FREE
TITLE OF INVENTION: SYNTHESIS PICORNAVIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
STREET: 345 PARK AVE.
CITY: NEW YORK
                                   ; Sequence 702, Application PC/TUS9300977; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 8, Application US/08268679B Patent No. 5674729
                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEZ/AGENT INFORMATION:
NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: HITAC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: WORD PERFECT # 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 702:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: CDNA to mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 714-700-9502
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                                                                                               NUMBER OF SEQUENCES: 7. CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
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HYPOTHETICAL: NO
                                                                                                                                                                                                                 USA
RESULT 2
PCT-US93-00977-702/c
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COUNTRY: US-
10154
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PCT-US93-00977-702
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                                                                                                                                                                                                                 COUNTRY:
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Ouery Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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APPLICANT: AKHTERUZZAMAN; PAGL, ANIKO V.
TITLE OF INVENTION: DE NOVO CELL-FREE
TITLE OF INVENTION: SYNTHESIS PICORNAVIRUS
NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                   0887-4095 US2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPARTING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORD PERPECT # 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/268,679B
FILING DATE: 30-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/846,914
FILING DATE: 06-MAR-1992
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: MORGAN & FINNEGAN, L.L.P. STREET: 345 PARK AVE. CITY: NEW YORK
APPLICATION NUMBER: US/08/268,679B
FILING DATE: 30-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07\846,914
FILING DATE: 06-MAR-1992
                                                                                                                                        ATTORNEY TO NUMBER: 07\719,761
FILING DATE: 24-JUN-1991
ATTORNEY AGENT INFORMATION:
NAME: MARIA C.H. LIN
REGISTRATION NUMBER: 29,323
REFERENCE/POCKET NUMBER: 0887-406
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 8, Application US/08268679B Patent No. 5674729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
APPLICATION NUMBER: 07\719,761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DESCRIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC COMPATIBLE
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ATTORNEY/AGENT INFORMATION:
NAME: MARIA C.H. LIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FLOPPY DISK
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POSITION IN GENOME: N.A.
US-08-268-679B-8
                                                                                                                                                                                                                                                                                                                                                             TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HYPOTHETICAL: NO
                                                                                                                        CLASSIFICATION:
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CHROMOSOME/SEGMENT: Chromosome 1
             STRAIN: Learn-PyR
DEVELOPMENTAL STAGE: Adult
POSITION IN GENOME:
                                                                                             US-08-457-274A-16
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Patent No. 57340B6
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Scott, Jeffrey G.
APPLICANT: Tomita, Takashi
TITLE OF INVENTION: Cytcohrome P4501pr Gene and Its Uses
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSE: NIXon, Hargrave, Devans & Doyle
STREET: P.O. Box 1051, Clinton Square
CITY: Rochester
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,274A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19603/240 (D-1519)
REGISTRATION NUMBER: 29,323
REPRENCE/CDGCKET NUMBER: 0887-4095 US2
TELECOMMUNICATION INFORMATION:
TELEFONDE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: GOLDMAN, MIChael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603
TELECOMMUNICATION INFORMATION:
TELEPHONE: 716-263-1304
TELEFAX: 716-263-1300
INFORMATION FOR SEQ. ID NO: 16:
SEQUENCE CHARACIERISTICS:
                                                                                                                                                                                                                                                                         DESCRIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Musca domestlca
                                                                                                                                                                                                                                                                                                                                    ) ORIGINAL SOURCE: N.A.

) POSITION IN GENOME: N.A.

US-08-268-679B-8
                                                                                                                                                                                                                  SINGLE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
                                                                                                                                                                                           NUCLEIC ACID
                                                                                                                                                                                                                                   TOPOLOGY: UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New York
                                                                                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECCE N
HYPOTHETICAL: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
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                                                                                                                                                                                                                                                        MOLECULE TYPE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
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                                                                                                                                                                                                                 Sequence 16, Application US/08457274A

Sequence 16, Application US/08457274A

Patent No. 57340B6

GENERAL INFORMATION

APPLICANT: Scott, Jeffrey G.
APPLICANT: Tomita, Takabh

TITLE OF INFORTION: Cytcchrome P4501pr Gene and Its Uses

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:
                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indel:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; M1smatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTMARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,274A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/240 (D-1519)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 716-263-1304
TELEPHONE: 716-263-1600
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGHH: 2 base palrs
LENGHH: 2 base palrs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                SEE: Nixon, Hargrave, Devans & Doyle : P.O. Box 1051, Clinton Square Rochester
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CHROMOSOME/SEGMENT: Chromosome 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN: Learn-PyR
DEVELOPMENTAL STAGE: Adult
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Musca domestica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New York
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14603
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                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET:
                                                                                          1 n 1
                                                                                                                                   1 A 1
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NAME/KEY: misc_difference;
LOCATION: replace(1, "");
OTHER INFORMATION: /note= "This is a biotin-17;
OTHER INFORMATION: nucleotide stretch of abasic residues."
US-08-484-192-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: WAGSTROM, Christopher R.
TITLE OF INVENTION: PREPLIDES AND COMPOUNDS THAT BIND TO THE
TITLE OF INVENTION: THROMBOPOIETIN RECEPTOR
NUMBER OF SIGULENCES: 58
CORRESPONDENCE ADDRESS:
                                                                                     TITLE OF INVENTION: APTAMERS SPECIFIC FOR BIOMOLECULES AND TITLE OF INVENTION: METHODS OF MAKING NUMBER OF SEQUENCES: 181
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Marches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            246102002221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/934,387
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: BARRETT, Ronald W.
APPLICANT: DOWER, William J.
APPLICANT: CWIRLA, Steven A.
APPLICANT: JOHNSON, Sherril S.
APPLICANT: WICHTON, NICHOLAS C.
APPLICANT: WICHTON, NICHOLAS C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28, Application US/08726464B Patent No. 5932546
                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                             E: MORRISON & FOERSTER 755 PAGE MILL ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-813-5600
TELEFAX: 415-494-0792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28,216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 706141
INFORMATION FOR SEQ ID NO: 16:
                      LEUNG, LAWRENCE
                                                                                                                                                                                                                                                                                                                                       Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                         VERMAAS, ERIC
TOOLE, JOHN J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 2 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: GRACEY, NANCY J. REGISTRATION NUMBER: 2
APPLICANT: LATHAM, JOHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  single
                                                                                                                                                                                       STREET: 755 ....
CITY: PALO ALTO
                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                           94304
                                                                                                                                                                                  ADDRESSEE:
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                                         APPLICANT:
APPLICANT:
                        APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: replace(1, "")
OTHER INFORMATION: //OLDE "This is a biotin-17
OTHER INFORMATION: nucleotide stretch of abasic residues."
                                                                                                                                                     APPLICANT: GEIFFIN, LINDA C.
APPLICANT: ALBRECHT, GLENN
APPLICANT: LATHAM, JOHN
APPLICANT: LATHAM, JOHN
APPLICANT: LATHAM, JOHN
APPLICANT: VERMAAS, ERIC
APPLICANT: TOOLE, JOHN J.
TITLE OF INVENTION: APTAMERS SPECIFIC FOR BIOMOLECULES AND
TITLE OF SEQUENTION: METHODS OF MAKING
NUMBER OF SEQUENCES: 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.0%; Score 0; DB 1; Length 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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U.Us; SCLL.,

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1; Conservative 0; Mismatches
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PRIOR APPLICATION DATA:
APPLICATION WIMBER: US 07/934,387
FILING DATE: 21-AUG-1992
ATTORNEY/ASERT INFORMATION:
RAME: GRACEY, NANCY J.
REGISTRATION WIMBER: 28,216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/484,192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 16, Application US/08484192 Patent No. 5756291 GENERAL INFORMATION:
                                                                                     ; Sequence 16, Application US/08484192; Patent No. 5756291; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                   E: MORRISON & FOERSTER 755 PAGE MILL ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 24616;
TELECOMONIOLATION INFORMATION:
TELEPHONE: 415-494-0792
TELEFAX: 415-494-0792
TELEFAX: 76141
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: GRIFFIN, LINDA C. APPLICANT: ALBRECHT, GLENN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATURE:
NAME/KEY: misc_difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 2 base pairs
                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: PALO ALTO STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-484-192-16/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  94304
                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-484-192-16
                                              RESULT 7
US-08-484-192-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY :>
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RESULT 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: COWER, WILLIAM J.
APPLICANT: CWIRLA, Steven A.
APPLICANT: UGHNON, Sherril S.
APPLICANT: UGHNON, Nicholas C.
APPLICANT: DUFFIN, David J.
APPLICANT: WAGSTROW, Christopher R.
TITLE OF INVENTION: THROMBOPOIETIN RICEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.0%; Score 0; DB 2; Length 2; 0.0%; Pred. No. 0; tive 0; Mismarches 1; Indel:
                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : Two Embarcadero Center, 8th Floor
San Francisco
California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOWNSEND AND TOWNSEND AND CREW
                                                                                                                                                                                                                                                                                                                                                                     16528A-024100
                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/726,464B FILING DATE: 04-OCT-1996 CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/726,464B
FILING DATE: 04-OCT-1996
                                                                                                                                                                                                                                                                                                                           Garrett-Wackowski, Eugenia
RATION NUMBER: 37,330
                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : Sequence 28, Application US/08726464B
: Patent No. 5932546
                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 33.30
REFERENCE/DOCKET NUMBER: 16528
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/576-0200
TELEFAX: 415/576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BARRETT, Ronald W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; MOLECULE TYPE: nucleic acid US-08-726-464B-28
                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1: 2 base pairs
nucleic acid
DEDNESS: single
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             STREET: TWO bucc.
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
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                                                                                                    94111-3834
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-726-464B-28/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INCOME, Phillip D
APPLICANT: Cook, Phillip D
APPLICANT: Manobaran, Muthhah
APPLICANT: Manobaran, Muthhah
TITLE OF INVENTION: Androwy-Modified Oligonucleotides
FILE REFERENCE: ISIS234
CURRENT APPLICATION NUMBER: US/09/016,520A
CURRENT FILING DATE: 1998-01-30
EARLIER APPLICATION NUMBER: 60/037,143
EARLIER FILING DATE: 1997-02-14
NUMBER OF ESO ID NOS: 47
SOFTWARE: Patentin Ver. 2.1
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Parent No. 6127533
GENERAL INFORMATION:
APPLICANT: Cook, Phillip D
APPLICANT: Manoharan, Muthiah
APPLICANT: Ravasaki, Andrew
TITLE OF INVENTION: Aminooxy-Wodified Oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : LOGATION: (1)..(2)

: OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy

US-09-016-520-35
                   REGISTRATION NUMBER: 37,330
REPERBOKE/DOCKET NUMBER: 16528A-024100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/576-0200
TELEPHONE: 415/576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
Garrett-Wackowski, Eugenia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 35, Application US/09016520A Patent No. 6127533
                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear
; MOLECULE TYPE: nucleic acid
US-08-726-464B-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
                                                                                                                                                                                      COUENCE CHARTS DASE PAIRS
LENGTH: 2 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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Query Match 0.0%; Score 0; DB 4
Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
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APPLICANT: Mancharan, Muthiah APPLICANT: Cook, Phillip Dan APPLICANT: Prakash, Thazha P APPLICANT: Kawasaki, Andrew M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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US-09-477-902-35
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LENGTH: 2
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APPLICANT: Cook, Phillip Dan
APPLICANT: Cook, Phillip Dan
APPLICANT: Cook, Phillip Dan
APPLICANT: Kawasaki, Thazba P
APPLICANT: Kawasaki, Andrew M
APPLICANT: Kawasaki, Andrew M
TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides And Methods For
TITLE OF INVENTION: Making Same
FILE REFERENCE: ISIS2955
CURRENT PELLON NUMBER: US/09/130,973
CURRENT FILINO DATE: 1999-08-07
NUMBER OF SEQ ID NOS: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1)..(2) OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE) OTHER INFORMATION: Description of Artificial Sequence: No. 6172209el OTHER INFORMATION: Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                               ; LOCATION: (1)..(2); OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy (18-09-016-520-35)
       FILE REFERENCE: ISIS2824
CURRENT PEPLICATION NUMBER: US/09/016,520A
CURRENT FILING DATE: 1998-01-30
EARLIER APPLICATION NUMBER: 60/037,143
BARLIER FILING DATE: 1997-02-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PATENTIN Ver. 2.1
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                                                                                                                                                                                                                                                                                                              INFORMATION: Sequence
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NAME/KEY: misc_feature
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TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides And Methods For TITLE OF INVENTION: Making Same FILE REFERENCE: ISIS2955 CURRENT APPLICATION NUMBER: US/09/130,973 CURRENT FILING DATE: 1998-08-07 NUMBER OF SEQ ID NOS: 58 SOFTWARE: Patentin Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature
LCCATION: (1)..(2)
OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DWAOE)
OTHER INFORMATION: Description of Artificial Sequence: No. 6172209el
OTHER INFORMATION: Sequence
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APPLICANT: Mancharan, Muthiah
APPLICANT: Mancharan, Muthiah
APPLICANT: Mancharan, Muthiah
APPLICANT: Kawasaki, Andrew
TTILE OF INTERPRICE: ISSES284
CURRENT APPLICATION NUMBER: 08/09/47,902
CURRENT FILING DATE: 2000-01-05
PRIOR PELICATION NUMBER: 09/016,520
PRIOR FILING DATE: 1999-01-30
PRIOR FILING DATE: 1999-01-30
PRIOR PELICATION NUMBER: 60/037,143
PRIOR APPLICATION NUMBER: 60/037,143
NUMBER OF SG ID NOS: 47
SOFTWARE: PALENTIN Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.0%; Score 0; DB 4; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indel:
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CGATION: (1).(2)
COTHER INFORMATION: 5-methy1-2'-dimethylaminooxyethoxy
GS-09-477-902-35
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Search completed: August 24, 2002, 21:57:39 Job time: 21597 sec

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(without alignments)
56.110 Million cell updates/sec
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GenCore verslon 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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Maximum Match 100%
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Gapop 10.0 , Gapext 1.0
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gb_gss:* em_gss_hum:* em_gss_inv:* em_gss_pln:* em_gss_vrt:* em_estba:*
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EST: *

Database:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Eukaryota; Metazoa; Chordata; Cranlata; Vertebrata; Euteleostom1; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhin1; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /db_xref="taxon:9606"
/organism="Homo sapiens"
/clone="DKFZp434J0410"
/clone=lib=#434 (synonym: htes3). Vector pSportl; host /dev_stage="adult"
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                                                                                                                                                                                           Homo sapiens mRNA; EST DKFZp434J0410_sl (from clone DKFZp434J0410)
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                                                                                                                                                                                                                                                                                                                                                                                           Duesterhoeft A., Lauber J., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rl sequence also available the RZPD in Berlin This clone is available at the RZPD in Berlin Please contact the RZPD: Ressourcententrum, Heubnerweg 6, 14059 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases. MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Clone from S. Wiemann, sequenced by Qiagen within the cDNA sequencing consortium of the German Genome Project
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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0; Mismatches
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                  HSM003869 standard; RNA; EST; 1 BP.
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Best Local Similarity 0.0%
Matches 0; Conservative
                                                                                                                                                                                                                                                                         Homo sapiens (human)
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/Clone="NFF2p566412071"
/Clone="INF2p566412071"
/Clone="In="564 (synonym: hfbr2). Vector pAMPl; host
XI-2blue; sites NotI + SalI"
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
                                                                                                                                                                            1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.0%; Score 0; DB 2; Length 1; 0.0%; Pred. No. 0; 1tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Clone from S. Wiemann, sequenced by GBF within the cDNA sequencing consortium of the German Genome Project No r1 sequence available
                                                                                                                                  0.0%; Score 0; DB 2; Length 1; 0.0%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-WAR-1999 (Rel. 59, Created)
12-WAR-1999 (Rel. 59, Last updated, Version 1)
x1-2blue; sites NotI + SalI"
/dev_stage="fetal"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1 BP; 0 A; 1 C; 0 G; 0 T; 0 other;
                                                                                                                                                     Pred. No. 0;
0; Mismatches
                                                                           Sequence 1 BP; 0 A; 1 C; 0 G; 0 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /tissue_type="brain"
                                                                                                                                                                                                                                                                                                                                                       HSM001740 standard; RNA; EST; 1 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EST; expressed sequence tag.
                                                                                                                                      Query Match 0.03
Best Local Similarity 0.08,
Matches 0; Conservative
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Best Local Similarity 0.0%
Matches 0; Conservative
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RESULT

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/tissue_type="testis"
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                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (human)
                                                                                                                                                                                                                                                                                                       AL040532.1
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Eukaryota; Metazoa; Chordata; Craniatu; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                   /clone_lib="434 (synolym: htes3). Vector pSportl; host hollB; sites NoII + SalI"
//Any et-an_alile
                                                                                                                                                                                                                                                                                                                                                   Gaps
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                               Duesterhoeft A., Lauber J., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                    This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                   Submitted (12-MAR-1999) to the EMBL/GanBank/DDBJ databases. MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERWANY
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MIPS, Am Klopferspitz 18a D-82152 Mar:insried, GERMANY
                                                                                     Clone from S. Wiemann, sequenced by Olagen within the cDNA sequencing consortium of the German Ganome Project
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                                                                                                                                                                                                                                                                                                                            0.0%; Score 0; DB 2; Length 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12-MAR-1999 (Rel. 59, Created)
12-MAR-1999 (Rel. 59, Last updated, Version 1)
                                                                                                                                                                                                                                                                                                                                  Local Similarity 0.0%; Pred. No. 0; les 0; Conservative 0; Mismarches
                                                                                                                                                                                                                                                                                        Sequence 1 BP; 1 A; 0 C; 0 G; 0 T; 0 other;
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                                                                                                                                                                                                                                                                     /tissue_type="testis"
                                                                                                                                                                                                  /db_xref="taxon:9606"
                                                                                                                                                                  Location/Qualifiers
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                                                                                                             sequence also available
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/crganism="flowo sapiates"
/clone="brRzp434f214"
/clone=lib="434 (synonym: htes3). Vector psport1; host
/dev_srage="adult"
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                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (12-Mar-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
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                                                                                                                                                                                                                                                                                                                                                Query Match 0.0%; Score 0; DB 2; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
                                                                                                                                                                                                                                                          Sequence 1 BP; 0 A; 1 C; 0 G; 0 T; 0 other;
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/clone="DKFZp434H2214"
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HSM011115

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Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone_lib="434 (synonym: htes3). Vector pSport1; host
DH10B; sites NotI + SalI"
/dev_stage="adult"
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                                                                                                                                                                                                                                                                                                                           This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                                                                                                                              Koehrer K., Beyer A., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                                                                                                    Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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                                                                                                                                                                                                                                                               Clone from S. Wiemann, sequenced by {\tt BMFZ} within the cDNA sequencing consortium of the German Genome Project No s1 sequence available
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.0%; Score 0; DB 2; Length 1;
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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/clone="DKFZp434G017"
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EST; expressed sequence tag.
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  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/clone="DKRZp4346017"
/clone_lib="434 (synonym: htes3). Vector pSport1; host
DH10B; sites NotI + SalI"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
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                                                                                                                                                                                                                                                                                                           Homo sapiens mRNA; EST DKFZp434G017_rl (from clone DKFZp434G017)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             No s1 sequence available
This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Koehrer K., Beyer A., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-WAR-1999 (Rel. 59, Last updated, Version 1)
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
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Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone_lib="586 (synonym: hutel). Vector pSportl; host
DH10B; sites NotI + Sall/MluI"
/dev_stage="adult"
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                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
                                   1; Indels
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       DB 2; Length 1;
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
                ilarity 0.0%; Pred. No. 0;
Conservative 0; Mismatches
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Matches 0; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"/clone="DKFZp586P0817"
      Score 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /tissue_type="uterus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /db_xref-"taxon:9606"
                                                                                                                                                           HSM011922 standard; RNA; EST; 1 BP.
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      0.0%;
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    Query Match
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Eutheria; Primates; Catarrhini; Homin.:dae; Homo.
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                                                                   1. .1
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/db_organism="Homo sapiens"
/clone=_DREZp4344037"
/clone=_lib="434 (synonym: htes3). Vector pSport1; host
DH10B; sites NotI + SalI"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /Organism="Memo sapiens"
/Clone="DkF2p434N037"
/Clone=lib=#434 (synonym: htes3). Vector pSportl; host /dev_stage="adult"
                                                                                                                                                                                                                                                                      0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens mRNA; EST DKFZp434N037_r: (from clone DKFZp434N037)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email clone@rzpd.de
Please contact the R2PD: Ressourcenze, trum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Koehrer K., Beyer A., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERWANY
                                                                                                                                                                                                                                                                      1; Indels
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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                                                                                                                                                                     /tissue_type="testis"
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ID HSM011270 standard; RNA; EST; 1 BP.
                                          Location/Qualifiers
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                                                                                                                                                         /dev_stage="adult"
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Matches 0; Conservative
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stage subtraction cDNA library (hasp)"
/dev_stage="Seedling roots of scots pine were infected for
                                                                                                                                            /clone_lib="Heterobasidion annosum - Scots pine infection
                                                                                                                                                                                                         /organism="Pinus sylvestris/Heterobasidion annosum"
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                                                                                         /db_xref="taxon:169015"
/clone="hasp002xj20f"
                                                                                                                                                                                                                                                                                                                                                                                                                                 0.0%; Score 0;
                    Location/Qualifiers
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Seq primer: T7 primer.
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Fax: +46 18 30 92 45
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                            FEATURES
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hasp002x;20f Heterobasidion annosum · Scots pine infection stage subtraction cDNA library (hasp) Pinus sylvestris/Heterobasidion annosum cDNA clone hasp002x;20f, mRNA sequence.
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/clone_llb="586 (synonym: hutel). Vector pSportl; host DH10B; sites NotI + Sall/MluI"
/dev_stage="adult"
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                                                                       Homo sapiens mRNA; EST DKFZp586P0817_rl (from clone DKFZp586P0817)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This clone is available at the RZPD in Berlin
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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No s1 sequence available
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Pinus sylvestris/Heterobasidion annosum
Eukaryota: mixed EST libraries.
1 (bases 1 to 1)
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  12-MAR-1999 (Rel. 59, Created)
12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Fax: +46 18 30 92 45
Email: Fred.Asiegbu@mykopat.slu.se
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                                                                                                                       EST; expressed sequence tag.
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stage subtraction cDNA library (hasp)"

/dev_stage="Seedling roots of scots pine were infected for 6 days with H. annosum"

/note="vector: pT-Adv; Site_1: EcoRI; The subtractive hybridization cDNA library was constructed from scots pine roots infected for 6-days with mycella of Heterobasidon annosum (FP5)."

1 others
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Asiegbu.F.O., Nahalkova,J., Choi,W., Stenlid,J. and Dean,R.A. Expressed sequence tags of randomly selected cDNA clones from the interaction of the root rot fungus (Heterobasidion annosum) with seedling roots of Scots pine (Pinus sylvestis)
                                                                                                                                                                                                                                                                                                                                                   B1416880 linear EST 15-AUG-20 hasp002x120f Heterobasidion annosum - Socts pine infection stage subtraction cDNA library (hasp) Pinus sylvestris/Heterobasidion annosum cDNA clone hasp002x120f, mRNA sequence.
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Contact: Fred O. Asiegbu
Dept. of Forest Wycology & Pathology
Swedish University of Agriculture, Box 7026,S-750 07, Uppsala,
                                                              Gaps
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/db_xref="taxon:169015"
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100.0%; Pred. No. 0;
tive 0; Mismatches 0; Indels
                                                              0; Indels
DB 10; Length 1;
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Eukaryota; mixed EST libraries.
1 (bases 1 to 1)
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                           100.0%; Pred. No. 0; tive 0; Mismatches
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B1817896 1 bp mRNA linear EST 04-OCT-2001 G3-023 Axolot1 Lambda Zap Library Ambystoma mexicanum cDNA similar to Putalive heterochromatin-like protein 1, mRNA sequence.
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Single pass sequence from 5' e.d. Low quality sequence was trimmed
from the ends (PHRED error rata = 5%). Trace file available:
srvoss@lamar.colostate.edu.
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Expressed sequence tags from an axolotl limb regeneration library Unpublished (2001)
                                                                                                                                                                                                                                                                                         Ambystoma mexicanum
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomatidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. .1
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/db_xref="taxon:8296"
/clone_lib="Axolot! Lambda Zap Library"
/tissue_type="Regenerating forelimb"
/dev_stage="Medium-bui blastema"
a 1 c 0 g 0 t
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Fort Collins, CO 80523, USA
Tel: 970 491 4869
Fax: 970 491 0649
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B1817896.1 GI:15951508
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Department of Blology
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Search completed: August 24, 2002, 21:19:23 Job time: 20528 sec

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Query Match

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Minimum DB seq length: 0 Maximum DB seq length: 200000000

Searched:

US-10-077-383-31 18

Perfect score: Scoring table:

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Ekins, R. Philip.
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linear PAT 29-MAR-1999
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DNA purification by triplex-affinity capture and affinity capture electrophoresis
                                                      1 (bases 1 to 20)
Matson,R.S., Coassin,P.J., Rampal,J.B. and Caskey,C.Thomas.
Oligonucleotide repeat arrays
Patent: US 5981185-A 93 09-NOV-1999;
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Reese,C.B. and Rao,M.V.
SULPHUR CONFAINING DINUCLEOTIDE PHOSPHORAMIDITES
PATCHI: WO 9729116-A 1 14-AUG-1997;
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Sequence 1 from patent US 5482836.
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Sequence 1 from Patent W09729116.
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Arnold,L.J. Jr., Reynolds,M.A., Schwartz,D.A. and Daily,W.J.
Oligonucleoside cleavage compounds and therapies
Patent: US 5854410-A 23 29-DEC-1998;
Location/Qualifiers
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Matson, R.S., Coassin, P.J., Rampal, J.B. and Caskey, C.Thomas.
Oligonuclectide repeat arrays
Patent: US 5981185-A 72 09-NOV-1999;
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0; Mismatches
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AR069073
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Sequence 5 from Patent W09729116.
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Reese, C.B. and Rao, M.V.
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Reses.(2.B. and Rao,M.V.
LUEHUR. CONTAINING DINUCLEOTIDE PHOSPHORAMIDITES
PATENT: WO 9729116-A 2 14-AUG-1997;
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1 (bases 1 to 21)
Reese, C. B. and Rao, M.V.
ELEPHUR CONTAINING DINUCLEOTID: PHOSPHORAMIDITES
Patent: WO 9729116-A 4 14-AUG-1997;
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A64738
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Best Local Similarity 100.0
Matches 18; Conservative
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1 (bases 1 to 22)

Krieg,A.M., Schetter,C. and Vollmer,J.C.

Immunostimulatory nucleic acids

Patent: WO 012297-4 908 05-APR-2001;

UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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Patent: WO 0110468-A 6 15-FEB-2001;
THE GENERAL HOSPITAL CORPORATION (US)
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/db_xref="taxon:32630"
/note="Synthetic Oligonucleotide"
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/db_xref="taxon:32630"
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Sequence 908 from Patent WO0122972.
AX104716
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Sequence 6 from Patent W00110468.
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Drug-carrier complexes and nethods of use thereof
THE GENERAL HOSPITAL CORPORATION (US)
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/note="Synthetic Oligonucleotide"
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THE GENERAL HOSPITAL CORPORATION (US)
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Sequence 10 from Patent WO0110468.
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Sequence 5 from Patent W00110468.
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PAT 29-SEP-1999
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Gray, D.M. and Clark, C.L.
Wethod for selectively ranking sequences for antisense targeting
Patent: US 5856103-A 8 05-JAN-1999;
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Gray, D.M. and Clark, C.L.
Method for selectively ranking sequences for antisense targeting
Patent: US 5856103.4 9 05-JAN-1999;
Location/Qualifiers
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August 24, 2002, 22:08:16; Search time 623.77 Seconds (without alignments) 49:545 Million cell updates/sec
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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
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N_Geneseq_032802:*

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2: /\$1DSS/gcgdata/geneseq/geneseqn-embl/Nal981.DAT:*
3: /\$1DSS/gcgdata/geneseq/geneseqn-embl/Nal981.DAT:*
3: /\$1DSS/gcgdata/geneseq/geneseqn-embl/Nal981.DAT:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Description	CAT dene tardet RN	W09526733 target s	Phosphorothicate o	Phosphorothloate o	Microsatellite sea	Immunostimulatory	Sequence of micros	Target sequence #2	Poly-pyrimidine ta
SUMMARIES	AAX91065	AAX 56904	AAT86582	AAT86583	AAQ33557	AAF99703	AAQ33511	AAX00524	AAX00526
DB	20	16	18	18	13	22	13	20	20
% Query Match Length DB	18	20	21	21	22	22	23	24	24
% Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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0 0 00 0 00 0000	0 000 00	RESULT AAX 91065 1D AAX XX AAX XX AAX XX AAX XX BPIO XX BPIO XX BPIO XX BPIO XX AX XX SYN XX	XX

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orientation. The oligonucleoside and combinations are used for inhibiting
                                                                                                                                                                            cleavage.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT86582;
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                                                                                                                                                                                                                                                                                                                                                               δλ
      888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention provides methods for preparing oligomers having thosphonate internucleosidy1 linkages of a preselected chirality which hybridize to a target RNA sequence. The method of making comprises: (a) synthesizing a nucleoside dimer, trimer, or tetramer with racemic internucleosidy1 phosphonate linkages: (b) purifying the racemic nucleosidy1 phosphonate linkages: (b) purifying the racemic nucleosidy1 phosphonate linkages: (c) purifying the racemic nucleoside to a chirally pure nucleosides to form a synthetic oligomer case to a chirally pure nucleosides to form a synthetic oligomer preselected chirally pure nucleosides to form a synthetic oligomer. The methods are useful for providing chirally enriched synthetic oligomers have enhanced binding affinities for RNA compared to oligomers with racemic all methylphosphonate internucleosidy1 linkages. Sequences AAX31034-75 represent oligomers chemically synthesised using the method of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention describes a novel oligonucleoside compound for hybridising to a target incleic acid strand. The oligonucleoside comprises (a) an oligonucleoside sequence that is complementary to a target region or subregion of the target nucleic acid strand and (b) a portion that is non-complementary to a target site in the target region or subregion such that, when the oligonucleoside compound is hybridised to the target strand, a base group at the site is oriented away from an inter-strand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cleavage; oligonucleoside; target; inter-strand orientation; inhibitor; disease; treatment; internucleotidyl bond cleavage; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Oligo:nucleoside compounds for cleaving {\tt RNA} - having a sequence that is complementary to a target nucleic acid strand and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 18; DB 20; Length 18;
Pred. No. 58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 BP; 0 A; 9 C; 0 G; 9 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 18; UB Best Local Similarity 100.0%; Pred. No. 58; Conservative 0; Mismatches
tetramers with enhanced binding affinities
                                           Example 19; Column 41-42; 30pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 92; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9526733 target strand RNA 9.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18 AGAGAGAGAGAGAGAG 1
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production of a selected protein in a cell by effecting cleavage at a site in a target region of cellular NRA that codes for the selected protein. They can be used for treating a condition in a mammal that is caused by the production of a selected protein. The oligonucleosides are target-mRNA specific and can be used against mRNA specific to a particular disease state. They are relatively harmless to non-targeted nucleic acid. The non-complementary unit enhances internucleotidyl bond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence represents a phosphorothioate oligonucleotide which was prepared by solid phase synthesis. The method comprises adding at least one dimeric phosphoramidite synthen, optionally having a protected thosester group in its internucleotide link, during the synthesis cycle. These novel dimeric phosphoramidite synthons are used as antisense molecules for inhibition of gene expression. The method gives increased yields of the phosphorothiate oligonucleotide (since fewer cycles are needed) and facilitates separation of impurities (greater difference in size compared with use of monomeric synthons).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Solid phase synthesis of phosphoro:thioate oligo:nucleotide(s) using new dimeric synthon(s) - useful as anti:sense molecules for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag= a
/note= "Phosphorothioate linkages between alternate
nucleotides (1 and 2, 3 and 4 etc.)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Phosphorothioate oligonucleotide; dimeric phosphoramidite synthon;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       thioester; DNA synthesis; antisense oligonucleotide; gene therapy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match 100.0%; Score 18; DB 16; Length 20; Best Local Similarity 100.0%; Pred. No. 58; Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 1 A; 9 C; 1 G; 9 U; 0 other;
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Query Match

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The sequence is that of a bovine microsatellite sequence obtd. by screening a library of bovine Mbol DNA fragments of between 250 and 500 bp with an (Ac)15 and a (Tc)15 oligonucleotide probe. One out of 50 clones cross-hybridised. Assuming independent distribution of microsatellites and Mbol sites, the frequency of (Tjn >9 microsatellites in the bovine genome is estimated at >100, 000. The sequence information for a 230 such bovine microsatellites is summarised in the specification and indexed herein (see below).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The sequences upstream and downstream of the microsatellite sequence were used to generate the required PCR primers for in vitro amplification of the corresp. microsatellite (using the program OPTIPRIM). The microsatellites may be used to identify individuals, for parentage testing, and in the genetic mapping of economic trait loci, or genes involved the determinism of economically important
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Polymorphic bovine DNA markers - used in genetic identification,
                                                                                                                                                                                                                                                                                                                  PCR; selection; primers; OPTIPRIM; breeding; cattle; parentage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 18; DB 13; Length 22; 100.0%; Pred. No. 58; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              traits esp. in cattle, to allow selective breeding. See also AAQ33501-34437.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 22 BP; 11 A; 0 C; 10 G; 0 U; 1 other;
                                                                                                                                                                                                                                                                  Microsatellite sequence from clone AGLA248.
                                                                                                                                                                                                                                                                                                                                         genetic mapping; traits; amplification; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gene mapping, and selective breeding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Table 7; Page 151; 517pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                92WO-US00340.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           91US-0642342
                                                                                                                         AAQ33557 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAF99703 standard; DNA; 22
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       20 AGAGAGAGAGAGAGAG 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Georges M, Massey JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1992-284684/34.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GENM-) GENMARK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JAN-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JAN-1992;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               36-AUG-1992.
                                                                                                                                                                       AA033557;
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          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOlid phase synthesis of phosphoro:thioate oligo:nucleotide(s) using new dimeric synthon(s) - useful as anti:sense molecules for inhibiting gene expression
                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag= a
/note= "Phosphorothioate linkages between alternate
nucleotides (1 and 2, 3 and 4 etc.)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Phosphorothioate oligonucleotide; dimeric phosphoramidite synthon; thloester; DNA synthesis; antisense oligonucleotide; gene therapy;
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                                                                    100.0%; Score 18; DB 18; Length 21; 100.0%; Pred. No. 58;
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                                                                                                                       0; Indels
Sequence 21 BP; 0 A; 10 C; 0 G; 11 T; 0 other;
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                                                                                      100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Phosphorothioate oligonucleotide #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                               AAT86583 standard; DNA; 21 BP
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                                                                                           Best Local Similarity 100.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                        ·25-MAR-1998 (first entry)
                                                                                                                                                                                           21 AGAGAGAGAGAGAGAG 4
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misc_difference 1

Synthetic.

AAT86583;

AAT86583/C

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WO9729116-A1.

14-AUG-1997.

06-FEB-1997; 06-FEB-1996;

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Rao MV, Reese CB;

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Gaps

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Query Match

Matches

Synthetic.

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The sequence is that of a bovine microsatellite sequence obtd. by
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                                                                                                                                                                                                                                                                                                                                             gene mapping, and selective breeding
                                                                                                                                                                                                                                                                                                                                                                                 Table 7; Page 132; 517pp; English
                                                                                                                        92WO-US00340
                                                                                                                                                               91US-0642342
                                                                                                                                                                                                                                          Georges M, Massey JM;
                                                                                                                                                                                                                                                                                WPI; 1992-284684/34.
                                                                                                                                                                                                   (GENM-) GENMARK.
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                                                                                                                                                            15-JAN-1991;
                                                                                                                        15-JAN-1992;
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                                          WO9213102-A.
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                                                                               06-AUG-1992
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    Bos taurus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   response. The method comprises administering an immunostimulatory more acid to a non-rodent subject in sufficient quantity to stimulater an inclination for an on-rodent subject in sufficient quantity to stimulater an nucleic acid the present sequence is one such immunostimulatory nucleic acid. The Immunostimulatory nucleic acids can be pyrimidine rich (py-rich) or thymidine (T) rich. The method is used to vaccinate subjects and/or orthomyxoviridae), bacterial antigens (e.g. harpesylridae, retroviridae and/or orthomyxoviridae), bacterial antigens (e.g. toxoplasma, retroviridae staphylococcus), fungal antigens and/or parasitic antigens. The method is also useful for preventing cancer, asthma, infectious disease, allergy or finance deficiency. The present sequence can also be used to redirect a finance response and to activate immune cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                           Vaccine, cytostatic; virucidal; bactericidal; fungicidal; anti-parasitic; immunostimulatory; tumour; viral infection; bacterial infection; fungal infection; parasitic infection; cancer; asthma; infectious disease; allergy; immune deficiency; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vaccinating against tumors, infectious diseases, allergies and asthma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a method for stimulating an immune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Note: the present sequence may have a phosphorothioate backbone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PCR; selection; primers; OPTIPRIM; breeding; cattle; parentage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 18; DB 22; Length 22; 100.0%; Pred. No. 58;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   using immunostimulatory Py-rich and TG nucleic acids -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22 BP; 0 A; 11 C; 0 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence of microsatellite from clone AGLA209.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       genetic mapping; traits; amplification; ss.
                                    Immunostimulatory nucleic acid #819.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 101; Page 56; 338pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Krieg AM, Schetter C, Vollmer J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAQ33511 standard; DNA; 23 BP.
                                                                                                                                                                                                                                                                                                  25-SEP-2000; 2000WO-US26383.
                                                                                                                                                                                                                                                                                                                                           99US-0156113.
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23-AUG-2000; 2000US-0227436.
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12-JUN-2001 (first entry)
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                       COLE-) COLEY PHARM GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-273485/28.
                                                                                                                                                                                                                    WO200122972-A2.
                                                                                                                                                                                                                                                                                                                                        25-SEP-1999;
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screening a genomic library of bovine MboI DNA fragments of between 250 and 500 bp with an (AC)15 and a (TC)15 Oligonucleotide probe. One out of 50 clones cross-hybridised. Assuming independent distribution of microsatellites and MboI sites, the frequency of (Tf) >9 microsatellites in the bovine genome is estimated at >100. The sequence information for ca. 230 such bovine microsatellites is summarised in the specification and indexed herein (see below).
                                                                                                                                                                                                                                                                                       The sequences upstream and downstream of the microsatellite sequence were used to generate the required PCR primers for in vitro amplification of the corresp. microsatellite (using the program opripersity). The microsatellites may be used to identify individuals,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                       for parentage testing, and in the genetic mapping of economic trait loci, or genes involved the determinism of economically important traits esp. in cattle, to allow selective breeding. See also AAQ33501-34437.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Target; antisense; selective rank; inhibition; ranking; stability;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 23 BP; 12 A; 0 C; 11 G; 0 U; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97US-0808474
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Best Local Similarity 100.6
Matches 18; Conservative
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AAQ33511;

AAQ33511

Query Match

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                                                                                                                                                                                                                                                  coligonucleotides (ASO) in a method of selectively ranking uncleic acid molecules for inhibitory efficiency. The method comprises:

(a) determining the fraction of each of a set of 13 nearest-neighbour nucleic acid base pair types in a target sequence zone RNA.ASO-DNA hybrid nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid determined fractions into formulas to determine the fractions of each of determined fractions; and (c) multiplying the fractions of the 13 nearest-neighbour nucleic acid base pair types to provide determined fractions; and (c) multiplying the fractions of the 13 nearest-neighbour nucleic acid base pair types by a stability ranking to the nucleic acid antisense sequence; where the results are ordered to produce a ranking. The process is used to rank nucleic acid sequences based on the stability of nucleic acid oligomer binding interactions to
                                                                                                                                                                                                                                         This sequence represents a target mRNP. for the generation of antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                        efficiency comprises determining the fraction a set of nearest-neighbour nucleic acid base pair types in a target sequence substituting nearest-neighbour nucleic acid base pair fractions to determine the fractions and multiplying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Target; antisense; selective rank; inhibition; ranking; stability;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Poly-pyrimidine target sequence for antisense oligonucleotides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Selectively ranking nucleic acid molecules, for inhibitory
                                                                                                            Selectively ranking nucleic acid molecules, for inhibitory
                                                                                                                                                                                                                                                                                                                                                                                                                                                     select sequence zones for antisense targeting.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 24 BP; 12 A; 0 C; 12 G; 0 U; 0 other;
                                                                                                                                                                                                           Disclosure; Column 13-14; 72pp; English.
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Matches 18; Conservative
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                                                                              WPI; 1999-105098/09.
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                 (TEXA ) UNIV TEXAS.
                                                Gray DM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             interaction; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                               Clark CL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAX00526;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 9
AAX00526/c
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oligonucleotides (ASO) in a method of selectively ranking nucleic acid molecules for inhibitory efficiency. The method comprises:

(a) determining the fraction of each of a set of lanearest-neighbour nucleic acid base pair types in a target sequence zone RRA:ASO-DNA hybrid nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid sequence; (c) nucleic acid base pair types to determine the fractions of each of a series of 13 nearest-neighbour nucleic acid base pair types to provide determined fractions; and (c) multiplying the fractions of the 13 nearest-neighbour nucleic acid base pair types by a stability ranking to the nucleic acid antisense sequence; where the results are ordered to produce a ranking. The process is used to rank nucleic acid sequences based on the stability of nucleic acid oliganer binding interactions to select sequence zones for antisense targeting.
                                                                                                                                                                                                                                                                                This sequence represents a target mRNA for the generation of antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           efficiency comprises determining the fraction a set of nearest-neighbour nucleic acid base pair types in a target sequence sone, substituting nearest-neighbour nucleic acid base pair fractions to determine the fractions and multiplying
efficiency - comprises determining the fraction a set of nearest-neighbour nucleic acid base pair types in a target sequence zone, substituting nearest-neighbour nucleic acid base pair fractions to determine the fractions and multiplying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This oligonucleotide represents an antisense oligonucleotides (ASO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Target; antisense; selective rank; inhibition; ranking; stability;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 100.0%; Score 18; DB 20; Length 24; Local Similarity 100.0%; Pred. No. 58; es 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Selectively ranking nucleic acid molecules, for inhibitory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antisense oligonucleotide for poly-purine target sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 24 BP; 0 A; 12 C; 0 G; 12 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Column 13-14; 72pp; English.
                                                                                                                                                                                                       Disclosure; Column 13-14; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAX00525 standard; DNA; 24 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-MAR-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23 AGAGAGAGAGAGAGAG 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-105098/09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gray DM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    interaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-MAR-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Clark CL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAX00525;
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targeted to a poly-purine mRNA sequence generated by a method of selectively ranking nucleic acid molecules for inhibitory efficiency. In section of search of the method comprises: (a) determining the fraction of each of a set of a nearest-neighbour nucleic acid base pair types in a target sequence. In an earst-neighbour nucleic acid base pair types in a target sequence of a sertices of 13 nearest-neighbour nucleic acid base pair fractions into formulas to determine the fractions of each of a serties of 13 nearest-neighbour of (c) multiplying the fractions of each of a serties of 13 nearest-neighbour of a septice of 15 nearest of the 13 nearest-neighbour nucleic acid base pair types by a stability ranking to the nucleic acid antisense the process is used to rank nucleic acid sequences based on the seniance of the light of nucleic acid oligomer binding interactions to select
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Sequence 24 BP; 0 A; 12 C; 0 G; 12 T; 0 other;

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This oligonucleotide represents an antisense oligonucleotides (ASO) targeted to a poly-pyrimidine mRNA sequence generated by a method of Selectively ranking nucleic acid molecules for inhibitory efficiency. The method comprises: (a) determining the fraction of each of a set of 13 nearest-neighbour nucleic acid base pair types in a target sequence acone RNA-ASO-DNA hybrid nucleic acid sequence; (b) substituting nearest-neighbour nucleic acid base pair fractions into formulas to determine the fractions of each of a series of 13 nearest-neighbour
                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              efficiency comprises determining the fraction a set of nearest-neighbour nucleic acid base pair types in a target sequence zone, substituting nearest-neighbour nucleic acid base pair fractions to determine the fractions and multiplying
                                                                                                                                                                                                                                                                          Target; antisense; selective rank; inhibition; ranking; stability;
                                            ;
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                                                                                                                                                                                                                                               Antisense oligonucleotide for poly-pyrimidine target sequence.
      Score 18; DB 20; Length 24; Pred. No. 58;
                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Selectively ranking nucleic acid molecules, for inhibitory
                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Column 13-14; 72pp; English.
    100.0%; Sc
100.0%; Pr
tive 0;
                                                                                                                                                        AAX00527 standard; DNA; 24 BP.
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                                                        l agagagagagagagag 18
                                                                                                                                                                                                                 30-MAR-1999 (first entry)
            Local Similarity 100.0
                                                                         24 AGAGAGAGAGAGAGAG 7
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                                                                                                                                                                                                                                                                                                                                               US5856103-A.
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                                                                                                                                                                                                                                                                                                                      Synthetic.
Query Match
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                            Matches
                                                                                                                                             AAX00527
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nucleic acid base pair types to provide determined fractions; and base pair types by a stability rathing to the nucleic acid sequence; where the results are ordered to produce a ranking. The process is used to rank nucleic acid sequences based on the stability of nucleic acid sequences based on the stability of nucleic acid oligomer binding interactions to select
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a method for producing a nucleic acid molecule comprising a Hoogsteen-paired RNH:DNA duplex capable of being used as an antisense molecule and capable of recognising an RNH sequence to form a triplex. This involves Watson-Crick pairing. This is useful in transcription to be prevented. The present sequence is an example of a triplex sequence used in the methods of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Generating nucleic acid molecule comprising Hoogsteen-paired
RNAasteriskDNA pyrimidineasteriskpurine duplex for use as an antisense
molecule, by heating a triplex to dissociate a Matson-Crick paired
                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                    ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hoogsteen-paired duplex; Watson-Crick pairing; triplex;
antisense therapy; gene expression control; transcription; ss.
                                                                                                                                                                          100.0%; Score 18; DB 20; Length 24; 100.0%; Pred. No. 58;
                                                                                                                                                                                                             0; Indels
                                                                                                                       Sequence 24 BP; 12 A; 0 C; 12 G; 0 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 24 BP; 0 A; 12 C; 0 G; 12 T; 0 other;
                                                                                                                                                                                                           0; Mismatches
                                                                                         sequence zones for antisense targeting.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Nucleic acid triplex DNA sequence #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 1; Page 9; 23pp; English.
                                                                                                                                                                                                                                                                                                                                        AAF57996 standard; DNA; 24 BP.
                                                                                                                                                                                                                                 1 agagagagagagagag 18
                                                                                                                                                                                                                                                             2 agagagagagagagag 19
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19-JAN-2000; 2000US-0487130.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-JUL-2000; 2000WO-US19783.
                                                                                                                                                                                                                                                                                                                                                                                                    26-APR-2001 (first entry)
                                                                                                                                                                                                       18; Conservative
                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hashem GM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-159523/16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
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100.0%; Score 18; DB 22; Length 24; 100.0%; Pred. No. 58;

100.0%; Pie

Similarity

Query Match Best Local S

Matches

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l agagagagagagagag 18 Conservative

Mismatches

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20-JUL-2000; 2000WO-US19783.
                                         W0200105937-A2.
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                                                                       25-JAN-2001.
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              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAF57999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a method for producing a nucleic acid molecule comprising a Hoogsteen-paired RNA:DNA duplex capable of being used as an antisense molecule and capable of recognising an RNA sequence to form a triplex. This involves Watson-Crick pairing. This is useful in antisense therapy, as it controls gene expression by causing transcription to be prevented. The present sequence is an example of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RNAasteriskDNA pyrimidineasteriskpurire duplex for use as an antisense molecule, by heating a triplex to dissociate a Watson-Crick paired pyrimidine strand -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                    Hoogsteen-paired duplex; Watson-Crick pairing; triplex; antisense therapy; gene expression control; transcription; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense therapy; gene expression control; transcription; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Generating nucleic acid molecule comprising Hoogsteen-paired
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 16; DB 22; Length 24; 100.0%; Pred. No. 58; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hoogsteen-paired duplex; Watson-Crick pairing; triplex;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       triplex sequence used in the methods of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 24 BP; 12 A; 0 C; 12 G; 0 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid triplex DNA sequence #3.
                                                                                                                                                                         Nucleic acid triplex DNA sequence #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Page 9; 23pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAF57998 standard; DNA; 24 BP
                                                                                                                                                                                                                                                                                                                                                                 20-JUL-1999; 99US-0357424.
19-JAN-2000; 2000US-0487130.
                                                                                                                                                                                                                                                                                                                                   20-JUL-2000; 2000WO-US19783
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                                                                                   AAF57997 standard; DNA; 24
                                                                                                                                              26-APR-2001 (first entry)
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24 AGAGAGAGAGAGAGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                        Gray DM, Hashem GM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-159523/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
Matches 18; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                           (TEXA ) UNIV TEXAS.
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                                                                                                                                                                                                                                                Synthetic.
                                                                                                                AAF57997;
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                                                         RESULT 13
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ID AAF57
XX AC AAF57
XX DT 26-AI
XX HOOGS
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The present invention describes a method for producing a nucleic acid molecule comparising a Hoogsteen-paired RNA:DNA duplex capable of baing used as an antisense molecule and capable of recognising an RNA sequence to form a triplex. This involves Watson-Crick pairing. This is useful in antisense therapy, as it controls gene expression by causing transcription to be prevented. The present sequence is an example of a triplex sequence used in the methods of the invention.
                                                                                                                                                                                                                                                                                                                                    RNAasteriškDNA pyrimidineasteriskpurine duplex for use as an antisense molecule, by heating a triplex to dissociate a Watson-Crick paired
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hoogsteen-paired duplex; Watson-Crick pairing; triplex; antisense therapy; gene expression control; transcription; ss.
                                                                                                                                                                                                                                                                                                       Generating nucleic acid molecule comprising Hoogsteen-paired
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 18; DB 22; Length 24; 100.0%; Pred. No. 58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 24 BP; 0 A; 12 C; 0 G; 12 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic acid triplex RNA sequence #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 9; 23pp; English.
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ID AAF57999 standard; RNA; 24 BP.
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99US-0357424
                                 19-JAN-2000; 2000US-0487130.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24 AGAGAGAGAGAGAG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18; Conservative
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                                                                                                                                                                         Gray DM, Hashem GM;
                                                                                                                                                                                                                                        WPI; 2001-159523/16.
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                                                                                                   (TEXA ) UNIV TEXAS.
                                                                                                                                                                                                                                                                                                                                                                                                          Pyrimidine strand -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
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WPI; 2001-159523/16.

Generating nucleic acid molecule comprising Hoogsteen-paired RNAasteriskDNA pyrimidineasteriskpurine duplex for use as an antisense molecule, by heating a triplex to dissociate a Watson-Crick paired pyrimidine strand -

Claim 14; Page 17; 23pp; English.

The present invention describes a method for producing a nucleic acid molecule comprising a Hoogsteen-paired RNA:DNA duplex capable of being used as an antisense molecule and capable of recognising an RNA sequence fo form a triplex. This involves Watson-Crick pairing. This is useful in antisense therapy, as it controls gene expression by causing transcription to be prevented. The present sequence is an example of a triplex sequence used in the methods of the invention.

Sequence 24 BP; 0 A; 12 C; 0 G; 12 U; 0 other;

Ouery Match
100.0%; Score 18; DB 22; Length 24;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 18; Conservative 0; Mismatches 0; Indels ô

Op

0; Gaps

Search completed: August 24, 2002, 22:08:17 Job time: 8850 sec

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August 24, 2002, 21:57:39; Search time 159.68 Seconds (without alignments) 27.689 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                            383533 seqs, 122816752 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                           OM nucleic - nucleic search, using sw model
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                                                                                                                                                                                                                                                                  IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
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Maximum DB seq length: 2000000000
                                                                                                                                                                                   US-10-077-383-31
18
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Perfect score:
Sequence:
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	Description	Sequence 12, Appl	4, 4	H	23	72,	93,	æ	δ	Sequence 10, Appl	H	8	δ	10	11,	19,	19,	2, 4	٦,	'n	28,	46,	31,	1, A	7	m	4	ď
	Desc	Seq	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Sed	Spor
SUMMARIES	QI.	US-08-885-126-12	US-08-700-530-4	US-08-004-552-1	US-08-223-355-23	US-08-863-639A-72	US-08-863-639A-93	US-08-808-474A-8	US-08-808-474A-9	US-08-808-474A-10	US-08-808-474A-11	US-09-235-614-8	US-09-235-614-9	US-09-235-614-10	US-09-235-614-11	US-08-860-038-19	US-09-580-923-19	US-08-004-552-2	US-08-946-138-1	US-09-225-652-1	US-08-469-802B-28	•	US-09-387-300-31	US-08-473-096-1	US-08-473-096-2	US-08-473-096-3	US-08-473-096-4	TIS-08-473-096-5
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•	Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
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Sequence 6, Appli Sequence 7, Appli Sequence 9, Appli Sequence 11, Appl Sequence 12, Appl Sequence 13, Appl Sequence 14, Appl Sequence 16, Appl Sequence 17, Appl Sequence 10, Appl Sequence 10, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appli Sequence 1, Appli		РНОЅРНАТЕ	r Length 18; Indels 0; Gaps 0;		nts with tail groups
3 1 US-08-473-096-6 3 1 US-08-473-096-8 3 1 US-08-473-096-8 3 1 US-08-473-096-11 3 1 US-08-473-096-12 3 1 US-08-473-096-12 3 1 US-08-473-096-12 3 1 US-08-473-096-12 3 1 US-08-473-096-14 3 1 US-09-347-300-36-14 4 US-09-347-300-10 5 1 US-08-313-075A-6 5 US-08-379-46A-11 5 2 US-08-379-46A-11 5 2 US-08-379-46A-11 5 2 US-08-379-46A-11 6 1 US-08-379-46A-11	ALIGNMENTS	5126A RICHED SYNTHETIC '08/885,126A '343,018 '154,013 ersion 3.0	ally synthesized oligome O%; Score 18; DB 2; O%; Pred. No. 5.2; O; Mismatches 0;	3 18 3 1	SULT 2 1-08-700-530-4/c 1-08-700-530-4/c 1-08-700-530-4/c Sequence 4, Application US/08700530 Patent No. 6316186 GENERAL INCPRAFION: APPLICANT: EXTINS, Roger P TITLE OF INVENTION: Binding assay using binding agents TILE REFERENCE: 0380-P01180US0 CURRENT APPLICATION NUMBER: 1956-10-23 PRIOR APPLICATION NUMBER: PCT/GB95/00521 PRIOR FILING DATE: 1995-03-10
81 1000.00 10 10 10 10 10 10 10 10 10 10 10 10 1		Sequence 12, Application US/08885126A Sequence 12, Application US/08885126A Patent No. 5955597 GENERAL INFORMATION: APPLICANT: Arnold, Lyle J. APPLICANT: Reley, Timothy A. APPLICANT: Reley, Timothy A. APPLICANT: Revolds, Mark A. APPLICANT: David A. TITLE OF INVENTION: CHIRALLY ENRICHED TITLE OF INVENTION: CHIRALLY ENRICHED TITLE OF INVENTION: OLIGOMERS. CURRENT FILING DATE: 1997-06-30 EARLIER PILING DATE: 1997-11-16 EARLIER PILING DATE: 1994-11-16 EARLIER PILING DATE: 1991-11-16 EARLIER PILING DATE: 1	RMATION: 12 imilarit; Conse	agagagagagagagag 	SULT 2 08-700-530-4/c Sequence 4, Application US/08700530 Patent No. 6316186 GEMERAL INFORMATION: GEMERAL INFORMATION: FITLE OF INVENTION: Binding assay using FILE REFERENCE: 0380-P01180USO CURRENT APPLICATION NUMBER: US/08/700,53 CURRENT FILING DATE: 1996-10-23 PRIOR APPLICATION NUMBER: PCT/GB95/00521 PRIOR FILING DATE: 1995-03-10
00000000000000000000000000000000000000		RESULT 1 US-08-885-126-1 Sequence 12, Sequence 12, Sequence 12, GENERAL INFORM: APPLICANT: APPLICANT: TITLE OF INN, TITLE OF INN, TITLE OF INN, TITLE REFEREN CURRENT FILL EARLIER FILL EAR		Qy 1 ag Db 18 AG	RESULT 2 US-08-700-530- US-08-700-530- Sequence 4, Patent No. 6 GENERAL INFO GENERAL INFO TITLE OF INF TITLE OF INF TITLE OF INF CURRENT FIL PRIOR APPLI PRIOR FILIN

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Gaps

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0; Indels

Pred. No. 5.2;

Best Local Similarity 100.0%; Pred. No. 5.2 Matches 18; Conservative 0; Mismatches

1 agagagagagagagag 18

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APPLICANT: Smith, Cassandra L.
TITLE OF INVENTION: DA PURIFICATION BY TRIPLEX-AFFINITY
TITLE OF INVENTION: CAPTURE AND AFFINITY CAPTURE ELECTROPHORESIS
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                     Ouery Match 100.0%; Score 18; DB 4; Length 18; Best Local Similarity 100.0%; Pred. No. 5.2; Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide
045-08-700-350-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature

COCATION: 1..20

OTHER INFORMATION: /note= "BTC-20 Oligonucleotide,

COURTER INFORMATION: biotinylated at 5'-end."
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MEDIUM TYPE: Floppy disk
COMPUTER: ITBM PC Compatible
COMPUTER: ITBM PC Compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Karen S. Smith
STREET: 4 Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A-57666/KSS
PRIOR APPLICATION NUMBER: GB 9404709.9
PRIOR FILING DATE: 1994-03-11
NUMBER OF SEQ ID NOS: 4
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19930114
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1G-08-004-552-1/C
Sequence 1, Application US/08004552
Patent No. 5482836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: A-576
TELECOMMUNICATION INFORMATION:
TELEFAR: (415) 781-1989
TELEFAX: (415) 388-3249
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31,426
                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Smith, Karen S.
REGISTRATION NUMBER: 31,4
                                                              SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4 .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
FILING DATE: 199301
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: CA 94111
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100.0%; Score 18; DB 1; Length 20;

Query Match

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Gaps
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                                                     GENERAL INFORMATION:
APPLICANT: Arnold Jr., Lyle J.
APPLICANT: Reynolds, Mark A.
APPLICANT: Schwartz, David A.
APPLICANT: Daily, William J.
TITLE OF INVENTION: Oligonucleoside Cleavage Compounds and
TITLE OF INVENTION: Theraples
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 18; DB 2; Length 20; 1100.0%; Pred. No. 5.2; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Competible
OPERATING SYSTEM: PC-DOS_MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
FILING DATE: 31-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: target Strand US-08-223-355-23
US-08-223-355-23/c
; Sequence 23, Application US/08223355
; Patent No. 5854410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: other nucleic acid HYPOTHETICAL: Yes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 72, Application US/08863639A
; Patent No. 5981185
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Meier, Paul H.
REGISTRATION NUMBER: 32,274
REFERENCE/DOCKET NUMBER: 200/(
TELEPHONE: 213,489-1600
TELEPAX: 213,489-1600
TELEXX: 67-3510
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                               ADDRESSEE: Lyon & Lyon
STREET: 611 W. Sixth St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 agagagagagagagag 18
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Best Local Similarity 100.0
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                       Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R183
                                                                                                                                                                                                                                                                                                              USA
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                                                                                                                                                                                                                                                                                         STATE:
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Sequence 8, Application US/08808474A
Patent No. 5856103
GENERAL INFORMATION:
APPLICANT: Gray, Donald M.
APPLICANT: Clark, Chris L.
TITLE OF INVENTION: METHOD FOR SELECTIVELY RANKING SEQUENCES
TITLE OF INVENTION: FOR ANTISENSE TARGETING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 18; DB 2; Length 24; Best Local Similarity 100.0%; Pred. No. 5.2; Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 18; DB 2; Length 20; 100.0%; Pred. No. 5.2; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/808,474A FILING DATE: 03-MAR-1997 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
Best Local Similarity 100.0%; Pred. No. 5.2.
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Locke Purnell Rain Harrell
STREET: 2200 Ross Avenue, Sulte 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Mayfield, Denise L.
REGISTRATION NUMBER: 33,732
REFERENCE/DOCKET NUMBER: UTDAL:001
TELECOMNUNICATION INFORMATION:
TELEPHONE: (214) 740-8000
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                          11859-1
                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: Other nucleic acid US-08-863-639A-93
                     CLASSIFICATION: 432
ATTORNEY-AGENT INFORMATION:
NAME: JOSEPH E. Mueth
REGISTRATION NUMBER: 20,532
REGISTRATION NUMBER: 11859
TELECOMMUNICATION INFORMATION:
TELEPRONE: (626) 796-4000
TELEFAX: (626) 796-6321
INFORMATION FOR SED ID NO: 93:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
FILING DATE: May 28, 1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 ададададададададад 18
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EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 75201-6776
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: 11near
US-08-808-474A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Dallas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-808-474A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
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                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: COREL WordPerfect 8 version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Matson, Robert S.
APPLICANT: Coassin, Peter J.
APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
APPLICE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
    APPLICANT: Matson, Robert S.
APPLICANT: Coassin, Peter J.
APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, 9th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3: Sheldon & Mak
225 South Lake Avenue, 9th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8 version
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/863,639A FILING DATE: May 28, 1997 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-863-639A-93/c;
Sequence 93. Applitation US/08863639A;
Patent No. 5981185
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , MOLECULE TYPE: Other nucleic acid us-08-863-639A-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA
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STRANDEDNESS: single
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                  linear
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                                                                                                                                                                                                                                                                                                             US-08-808-474A-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY:
US-08-808-474A-11
                                                                         0; Gaps
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Sequence 10, Application US/08808474A
Sequence 10, Application US/08808474A
Sequence 10, Application US/08808474A
Sebent No. 2886103
APPLICANT: Gray, Donald M.
APPLICANT: Gray, Donald M.
APPLICANT: Gray, Donald M.
TITLE OF INVENTION: METHOD FOR SELECTIVELY RANKING SEQUENCES
TITLE OF INVENTION: FOR ANTISENSE TARGETING
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 18; DB 2; Length 24; 100.0%; Pred. No. 5.2; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                    COUNTRY: 1845

COUNTRY: 05A

ZIP: 75201-6776

COMPUTER READABLE FORM:
MADIUM TTPE: Floppy disk
COMPUTER: 180 PC compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
COFFANTING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/808,474A
ATTORNEY AGENT INFORMATION:
REGISTRATION NUMBER: 33,732
REFERENCE/DOCKET WUMBER: 37,732
REFERENCE/DOCKET WUMBER: UTDAL:001
TELECOMMUNICATION INFORMATION:
REPERENCE (214) 740-88000
INFORMATION FOR SEQ ID NO: 9:
CENCRAX: (214) 740-88000
SEQUENCE CHARACTERISTICS:
TENCTH: 24 hasse pairs
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STREET: 2200 Ross Avenue, Suite 2200
1: 24 base pairs
nucleic acid
DEDNESS: single
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Matches 18; Conservative
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COMPUTER READABLE FORM:
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ZIP: 75201-6776
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US-08-808-474A-9
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APPLICANT: GRAY, DONALD M.
APPLICANT: CLARK, CHRISTOPHER L.
TITLE OF INVENTION: AN APPARATUS AND METHOD FOR SELECTIVELY RANKING
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
FILE REPRENCE: 91556/6384
CURRENT APPLICATION NUMBER: US/09/235,614
CURRENT FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: GRAY, DONALD M.
APPLICANT: CLARK, CHRISTOPHER L.
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: Hybrid mRNA US-09-235-614-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence: Hybrid DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 18; DB 4; Length 24; 100.0%; Pred. No. 5.2; tive 0; Mismatches 0; Indels
                             0; Indels
     Best Local Similarity 100.0%; Pred. No. 5.2; Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTAGE 91556.66384
FILE REBERNICE: 91556.66384
CURRENT APPLICATION NUMBER: US/09/235,614
CURRENT FILING DATE: 1999-01-22
CURRENT FILING DATE: 089.808,474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 08/808,474
PRIOR FILING DATE: 1997-03-03
PRIOR APPLICATION NUMBER: 08/320,507
PRIOR FILING DATE: 1994-10-07
SOFTWARE: Patentin Ver: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08/320,507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 11, Application US/09235614
; Patent No. 6183966
                                                                                                                                                                                                                                                 Sequence 10, Application US/09235614
Patent No. 6183966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 08/800 PRIOR FILING DATE: 1997-03-03 PRIOR FILING DATE: 1994-10-07 NUMBER: 08/320 NUMBER OF SEQ ID NOS: 38 SOFTWARE: PAtentin Ver. 2.1
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 18; Conservative
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                                                                                                                            24 AGAGAGAGAGAGAGAG 7
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US-09-235-614-10/c
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LENGTH: 24
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APPLICANT: GRAY, CHRISTOPHER L.
TITLE OF INVENTION: AN APPARATUS AND METHOD FOR SELECTIVELY RANKING
TITLE OF INVENTION: AS OFFICE OF SOUTH SERVED THE TITLE OF INVENTION: US/09/235,614
CURRENT APPLICATION NUMBER: US/09/235,614
CURRENT FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 08/808,474
PRIOR APPLICATION NUMBER: 08/320,507
PRIOR PLING DATE: 1994-10-07
NUMBER OF SEQ ID NOS: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: CRAY, DONALD M.
APPLICANT: CLARK, CHRISTOPHER L.
TITLE OF INVENTION: AN APPARATUS AND METHOD FOR SELECTIVELY RANKING
TITLE OF INVENTION: SEQUENCES FOR ANTISENSE TARGETING
FILE REFERENCE: 91556/66384
CURRENT FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 08/808,474
PRIOR FILING DATE: 1997-03-03
PRIOR FILING DATE: 1997-03-03
PRIOR FILING DATE: 1994-10-07
PRIOR APPLICATION NUMBER: 08/320,507
PRIOR APPLICATION NUMBER: 08/320,507
PRIOR SELING DATE: 1994-10-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence: Hybrid mRNA US-09-235-614-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: Hybrid DNA US-09-235-614-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 18; DB 4; Length 24; 100.0%; Pred. No. 5.2; tive 0; Mismatches 0; Indels
Query Match
Best Local Similarity 100.0%; Pred. No. 5.2;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 9, Application US/09235614
; Patent No. 6183966
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                           ; Sequence 8, Application US/09235614; Patent No. 6183966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
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hes 18; Conservative
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                                                                                                                                                                                                                         RESULT 11
US-09-235-614-8
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LENGTH: 24
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LENGTH: 24
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100.0%; Score 18; DB 4; Length 24; 100.0%; Pred. No. 5.2;

Query Match Best Local Similarity

100.0%; Score 18; DB 4; Length 24;

Query Match

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US-08-66-038-19/C
Sequence 19, Application US/08860038
Sequence 19, Application US/08860038
Sequence 19, Application US/08860038
Sequence 19, Application US/08860038
Sequence 19, Application
Sequence 19, Application
APPLICANT: SCHERAM, Deniel
TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION
TITLE OF INVENTION: WITH AN IMMOBILIZED OLIGONUCLEOTIDE
CORRESPONDENCE: 25
SADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, Mailstop 3C43
CITY: Collegeville
                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match 100.0%; Score 18; DB 4; Length 26; Best Local Similarity 100.0%; Pred. No. 5.2; Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION NUMBER: US/08/860,038
FILING DATE:
CLASSIFICATION 193
PRIOR APPLICATION 193
PRIOR APPLICATION DATA:
APPLICATION WINBER: FR 94/15162
FILING DATE: 16-DEC-1994
APPLICATION NUMBER: W 94/15162
PRIOR APPLICATION DATA:
APPLICATION NUMBER: W 94/15162
PRIOR APPLICATION DATA:
APPLICATION NUMBER: W 0 FR95/01468
FILING DATE: 08-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: SANITEDED.
           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: other nucleic acid
BESCRIPTION: /desc = "Oligonucleotide"
US-08-860-038-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Savitzy ESQ., Martin F. REGISTRATION NUMBER: 29,699
REGISTRATION NUMBER: 29,699
TELECOMMUNICATION INFORMATION:
TELEPAR: (610) 454-3816
TELEPAR: (610) 454-3816
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
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TOPOLOGY: 11,00001000
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Search completed: August 24, 2002, 21:57:39
Job time: 21597 sec

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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

em_gss_vrt:*

SUMMARIES

	Description	AZ489586 1M0322C12	AZ510952 1M0355G15	AZ983014 2M0264H02	AZ433566 1M0219C02	AZ492997 1M0327K24	AZ770557 1M0572N08	AZ394897 1M0158H11	AZ589098 IM0397B19	AZ627978 1M0476L04	A2464354 1M0273M11	AZ633751 1M0489111	AZ430288 1M0214012	AZ822888 2M0096G06	AZ973926 2M0248N15	AZ389918 1M0151E05	AZ510124 1M0354K22	AZ659095 1M0536E18
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100.0 25 12 A2664804 100.0 26 12 A242944 100.0 26 12 A2641486 100.0 26 12 A266145 100.0 26 12 A260394 100.0 26 12 A260394 100.0 27 12 A26331 100.0 27 12 A263291 100.0 29 12 A260186 100.0 39 12 A260186 100.0 31 12 A2634653 100.0 31 12 A26363021 100.0 31 12 A26363021	ALIGNMENTS	op Dugc:	Eukaryota; Metazoa; Chordata; Cranlata; Ver Mammalla; Eutheria; Rodentla; Sciurognathi; 1 (bases 1 to 19) Dun, D., Aoyagi, A., Barber, M., Beacorn, T., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., M., Rose, M., Rose, R., Stokes, R., Tingey, A., Mand Wright, D., Welss, R.,	is ome Cente	Fax: 801 503 500 Fax: 801 585 717 Email: ddund@genetics.utah.edu Insert Length: 1000 Std Error: 0.00 Plate: 0.322 row: C column: 12 Seq primer: CGTTGTAAAAGGGCGCAGT Class: plasmid ends High quality sequence stop: 19. Location/Qualifiers 19 cation/Qualifiers 10 cation/CSTBL/64 /crain="CSTBL/64" /db_xref="taxon:10090" /clone="tuccimo122c12" /clone="tuccimo122c12"
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house mouse.
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                                                                                                  (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was bluth end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwns, 2 (qil4732114 |qb) AR129072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chamically-competent E. coll XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 19)
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1M0355G15R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0355G15 R, DNA sequence.
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/lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
hote="Vector: PRN2ADY; Purified genomic DNA from M.
musculus G57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Insert Length: 10000 Std Error: 0.00
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University of Utah Genome Center
University of Utah
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/clone="UUGC1M0355G15"
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Fax: 801 585 7177
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10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (gil4732114[gb]AFL29072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically competent E. coll XL10-Gold (Stratagene) cells and selected for ampicillin resistance.
                                                                                                                                                                                                        (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymocleotide kinase. Adaptor Oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam, H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly and Wright,D., Weiss,R., Stokes,R., Tingey,A., von Niederhausern,A.
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2M0264H02F Mouse 10kb plasmid UUGC2M library Mus musculus genomic
                                                           /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
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/clone_lib="Mouse 10kb plasmid UUGC1M library"
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Insert Length: 10000 Std Error:
Plate: 0264 row: H column: 02
Seg primer: CGTTGTAAAACGACGGCCAGT
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Tel: 801 585 5606
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                                                                                                                                                                                  (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with 14 DNA polymerase and 14
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Dun, D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
                                                                          /lab_host="E. col1 strain XLIO-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (female) was obtained from the Jackson
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ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
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1M0219C02R Mouse 10kb plasmid UGC1M library Mus musculus genomic
clone UGC1M0219C02 R, DNA sequence.
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                       /clone_lib-"Mouse 10kb plasmid UUGC2M library"
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Insert Length: 10000 Std Error: 0.00
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                                                                                                                                                          Laboratory Mouse DNA Resource
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Matches 18; Conservative 0; Mismatches
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University of Utah Genome Center
University of Utah
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Fax: 801 585 7177
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Laboratory mouse two resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 into orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide Kinase. Adaptor oligomicleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel. electrophoresis. Vector DNA was prepared from a derivative of pw042 (g114732114g1AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islami,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,M., Rose,M., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
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1M0327K24F Mouse 10kb plasmid UUGClM library Mus musculus genomic
clone UUGClM0327K24 F, DNA sequence.
                                                                                                                   /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
Ancte="Vector: PWD4ZNy: Purified genomic DNA from M.
musculus C57BL/63 (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was butten enferted by repeated passage through a polynuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWA42 (gil4732114 [ph]AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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                                                                                                                                                                                                                                                                                    musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                               /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                              /clone_lib="Mouse 10kb plasmid UUGC1M library"
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100.0%; Pred. No. 3.5e+03;
tive 0; Mismatches 0;
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   /organism="Mus musculus"
                                                                     /db_xref="taxon:10090"
/clone="UUGC1M0572N08"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erro
Plate: 0158 row: H column: 11
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                                  /strain="C57BL/6J
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                                                                                                                                                                        /sex="Male"
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Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
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                                                                                                                                                         /abc.marte.
//ab.host=*E.
//ab
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Bunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
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1M0572N08F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0572N08 F, DNA sequence.
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                                                                                                       /clone_lib="Mouse 10kb plasmid UUGClM library"
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Class: plasmid ends
High quality sequence stop: 20.
Location/Qualifiers
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Insert Length: 10000 Std Error
Plate: 0572 row: N column: 08
                              /db_xref="taxon:10090"
/clone="UUGClM0327K24"
/strain="C57BL/6J"
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Matches 18; Conservative
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared bha was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kp range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil47321141gb)AR129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into calaptor competent E. coll XL10-Gold (Stratagene) cells and selected (ampicillin resistance."
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islami,H., Londacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,M., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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21 bp DNA linear GSS 13-DEC-200
1M0476L04F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0476L04 F, DNA sequence.
                                                                                                                                                                                                                                                                                                            /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                      /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
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                                                                                                                                                                                    /clone_lib-"Mouse_10kb plasmid UUGCIM library" /sex-"Male"
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                                                                                                                                                                                                                                                                                                                                                                                   Laboratory Mouse DNA Resource
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Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                               /organism="Mus musculus"
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                             /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0397B19"
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Insert Length: 10000 Std Erro
Location/Qualiflers
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Fax: 801 585 7177
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly
.M., Rose, M., Rose, M., Stokes, F., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb
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                                                                                                                                                                                                                             /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
hote="Vector: PRD4DAY; Purified genomic DNA from M.
musculus GSTBL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Fesource
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Insert Length: 10000 Std Errcr: 0.00
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                          /organism="Mus muscules"
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University of Utah Genome Center
University of Utah
                                                                                          /db_xref-"taxon:10090"
                                                                                                                           /clone="UUGC1M0158Hll"
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                                                        /strain="C57BL/6J
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GSS.

KEYWORDS

ORGANISM

REFERENCE AUTHORS JOURNAL

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Class: plasmid ends
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                                                                                                                                                                                                                                                                                                                                                    http://www.jacorgyresources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwns4 (gil4732114|gb]AR129072.1), a copy number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coll XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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1 (bases 1 to 22)
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                                                                                                                                                                                                                                                                         /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                 /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
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Insert Lenghh: 1000 Std Brror: 0.00
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University of Utah Genome Center
                                                                                                      /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0476L04"
High quality sequence stop: 21.
                           Location/Qualifiers
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Fax: 801 585 7177
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http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blutur end riepaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWN42 (qi[4/32114]qb]pAF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into adaptores and transformed into adaptored wells and selected for ampliallin resistance."
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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1M0489111F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0489111 F, DNA sequence.
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                                                                                                                                                                                                                                                                                                                  /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C37BL/6J (male) was obtained from the Jackson
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/sex="Male"
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University of Utah Genome Center
University of Utah
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Fax: 801 585 7177
Email: ddun@genetics.utah.edu
Insert Length: 10000 5td Error
Plate: 0489 row: I column: 11
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High quality sequence stop: 22.
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FEATURES

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http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pw042 (gil47321141gb1AR129072.1), a copy-number inducable derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and quantified. The sheared, adaptored mouse DNA was annealed to adaptored vector NAA, and transformed into chemically-competent E. coli XLIO-Gold (Stratagene) cells and selected for ampicillin resistance.
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University of Utah Genome Center
University of Utah
Rm. 308, Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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2M0096G06R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGC2M0096G06 R, DNA sequence.
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Mammalla; Eutherla; Rodentla; Sciurognathi; Murldae; Murinae; Mus.
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horte="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Plate: 0214 row: O column: 12
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
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Location/Qualifiers
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Fax: 801 585 7177
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Contact: Robert B. Welss
University of Utah Genome Center
University of Utah
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/clone="UUGC1M0489111"
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Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymenase and T4 polymorlectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored but was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pw042 (gild/32114 [gb]AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically competent E. coll XI10-Gold (Stratagene) cells and selected complementary complementary complementary or the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to chemically competent E. coll XI10-Gold (Stratagene) cells and selected campicillin resistance."
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1 (bases 1 to 23)
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2M0248N15F Mouse 10kb plasmid UUGC2M library Mus musculus genomic clone UUGC2M0248N15 F, DNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                  /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
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      Std Error: 0.00
                         Plate: 0096 row: G column: 06
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                         /organism="Mus musculus"
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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                                                                                                                    High quality sequence stop: 23.
Location/Qualiflers
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Insert Length: 10000
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Fax: 801 585 7177
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Laboratory mouse DAN accounted definitions of the private Jay and the properties of the private Jay mouse Jay according to the provided definition of the properties of the sheared DAN was blunt end-repaired with T4 DAN polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar access. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative aganose gel electrophoresis. Vector DNA was prepared from a derivative of pwhol2 (gila/32114 lgb)AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coll XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /lab_host="E. coli strain XLI0-Gold, Tl-resistant, F-"
//note="Vector: PWN42nv; Purified genomic DNA from M.
musculus C57BL/6J (female) was obtained from the Jackson
Laboratory Mouse DNA Resource
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Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Email: ddunn@genetics.utah.edu
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Location/Qualifiers
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Db 25 AGAGAGAGAGAGAGAGAG 8
Search completed: August 24, 2002, 21:19:26
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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Pizza, M., Scarlato, C., Rappuoli, R., Grandi, G. and Masignani, V.
Neisserial antigens
Patent: WO 9924578-A 25 20-MAY-1999;
PIZZA MARIAGRAIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Copyright (c) 1993 - 2000 Compugen Ltd.
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Neisserial antigens
Patent: WO 9924578-A 25 20-MAY-1999;
PIZZA MARIAGRAZIA (IT): SCARLATO VINCENZO (IT): RAPPUOLI RINO (IT): CHIRON SPA (IT): GRANDI GUIDO (IT): MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: NO 9924578-A 35 20-MAY-1999;
PIZZA MARIAGRAIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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PAT 07-SEP-2000
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Patent: WO 9924578-A 35 20-MAY-1999;
PIZZA MARIAGRAZIA (IT): SCARLATO VINCENZO (IT): RAPPUOLI RINO (IT): CHIRON SPA (IT): GRANDI GUIDO (IT): MASIGNANI VEGA (IT)
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1 Scarlato, V., Rappuoll, R., Grandl, G. and Masignanl, V.

1 Neisserial antigens

Patent: WO 9924578-A 45 20-MAY-1999;
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Patent: WO 9924578-A 45 20-MAY-1899;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Patent: WO 9924578-A 55 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza, w., Scraldato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Neisserial antigens
Patent: WO 9924578-A 73 20-MaY-1999;
PIZZA MARRAGRAIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
Location/Qualifiers
Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V. Neisserial antigens
Patent: WO 9924578-a 55 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Neisserial antigens
Patent: WO 9924578-A 73 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA
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Sequence 73 from Patent W09924578,
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Sequence 73 from Patent WO9924578.
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Pizza,M., Scarlato,V., Rappuoll,R., Grandi,G. and Masignani,V.
Neisserial antiquens
Patent: WO 9924578-A 91 20-MAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Pizza, M., Scarlato, V., Rappuoli, R., Grandi, G. and Masignani, V.
Neisserial antigens
Patent: WO 9924578-A 91 20-MAY-1999;
PIZZA MARRAGRAIA (IT), SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Pizza,M., Scarlato,V., Rappuoli,R., Grandi,G. and Masignani,V.
Neisserial antigens
Patent: WO 924578-A 109 20-WAY-1999;
PIZZA MARIAGRAZIA (IT); SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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Nelsserial antiogens
Patent: WO 9924578-A 109 20-MAY-1999;
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Pizza,M., Scarlato.V., Rappuoli.R., Grandi,G. and Masignani,V.
Neisserial antiques
Patent: WO 9924578-A 119 20-WAY-1999;
Patent: WO 9924578-A 119 SCARLATO VINCENZO (IT); RAPPUOLI RINO (IT);
CHIRON SPA (IT); GRANDI GUIDO (IT); MASIGNANI VEGA (IT)
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August 24, 2002, 22:08:17; Search time 623.77 Seconds (without alignments) 49:545 Million cell updates/sec
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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Listing first 45 summaries
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| SIDSS/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		оF			SUMMARIES	
Result No.	Score	Query	Query Match Length DB ID	DB	ID	Description
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4	>	9.0	4	2	TCT/CVWW	Human mutant KCNO3
0	0	0.0	7	20	AAX57131	Human mutant KCNO3
m	0	0.0	m	Б	AAN80743	Sequence encoding
C 4	0	0.0	ო	σ	AAN80743	Sequence encoding
2	0	0.0	m	16	AA085491	Plasmid 0E22318 +h
0	0	0.0	m	16	AA085491	Plasmid oEZZ318 th
7	0	0.0	m	17	AAT33326	CAPL trinucleotide
0	0	0.0	m	17	AAT33326	CAPL trinucleotide
6	0	0.0	m	21	AAA94655	Hilman Till gene

Charlier C, Leppert MF, Singh NA;

WPI; 1999-312938/26.

(UTAH) UNIV UTAH RES FOUND.

97US-0063147.

98WO-US22375

23-OCT-1998; 24-OCT-1997;

06-MAY-1999.

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proteins KCNQ2 and KCNQ3. Detecting mutations in sequences that encode KCNQ2 or KCNQ3, or KCNQ3, or the loss of one copy of these genes, is used for diagnosis and prognosis of benign familial neonatal epilepsy (BENE), juvenile myotonic epilepsy (JME) or rolandic epilepsy (RE). Cells (or transspenic animals) that express wild-type or mutant KCNQ2 or 3 (also the proteins themselves in cell-free form) are used to screen for agents that can be used to treat or prevent these forms of epilepsy. Fragments of the encoding nucleic acids are used as probes or primers, either for detecting mutations or for isolation of related sequences, while the complete sequences may be used in gene therapy to provide wild-type proteins are used as diagnostic reagents and for drug screening. The KCNQ2 and 3 proteins are useful in rational design of drugs and therapeutically (in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       replacement theraples). The forms of epilepsy associated with mutations in KCNQ2 and 3 sequences can now be diagnosed early (before symptoms are manifest), and better treatment options will be available.
                                                                                                              This invention describes novel human and mouse potassium channel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAX57074-X57139 are primers used in the method of the invention.
Nucleic acid encoding potassium channels KCNQ2 and 3
                                                     Claim 65; Page 151; 195pp; English.
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Sequence 1 BP; 1 A; 0 C; 0 G; 0 U; 0 other;

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This invention describes novel human and mouse potassium channel proteins KCNQ2 and KCNQ3. Detecting mutations in sequences that encode
                                                                                                                                                                                                                                               KCNQ2; KCNQ3; human; murine; potassium channel; diagnosis; prognosis; benign familial neonatal epilepsy; BRNB; juvenile myotonic epilepsy; JMB; rolandic epilepsy; mutant; treatment; screening; epilepsy; detection; gene therapy; drug screening; primer; ss.
                           Gaps
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0.0%; Score 0; DB 20; Length 1;
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         Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Charlier C, Leppert MF, Singh NA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 65; Page 151; 195pp; English.
                                                                                                                                                                                                                          Human mutant KCNQ3 primer 26,
                                                                                                                                          AAX57131 standard; DNA; 1 BP.
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Query Match
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CC KCNQ2 or KCNQ3, or the loss of one copy of these genes, is used for diagnosis and prognosis of benign familial neonatal epilepsy (BRDE).

CC diagnosis and prognosis of benign familial neonatal epilepsy (BRDE).

CC transgenic animals) that express wild-type or mutant KCNQ2 or 3 (also the rangeauic animals) that express wild-type or mutant KCNQ2 or 3 (also the proteins themselves in cell-free form) are used to screen for agents that can be used to treat or prevent these forms of epilepsy. Fragments of the encoding mutations or for isolation of related sequences, while the complete sequences may be used in gene therapy to provide wild-type protein. Antibodies specific for mutant or wild-type proteins are used as diagnostic reagents and for drugs sand therapeutically (in replacement therapies). The forms of epilepsy associated with mutations in KCNQ2 and 3 sequences can now be diagnosed early (before symptoms are manifest), and better treatment options will be available.

AAX57074-X57139 are primers used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence encoding complete mature and precursor forms of human tissue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              factor heavy chain proteins (huTFh & pre-huTFh, respectively).
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                                                                                                                                                                                                                                                                                                                                                           0.0%; Score 0; DB 20; Length 1;
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human tissue factor detection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human tissue factor heavy chain (huTFh); immunoassays;
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Sequence 3 BP; 0 A; 0 C; 0 G; 0 T; 3 other;
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                               A DNA segment with a nucleotide sequence from about 130 to about 918 of the sequence given here is claimed. Also claimed are antibodies which immunoraect with hurrH and the claimed peptides (given in AAP80713). The antibodies may be used in immunoassays for detection of hurrH. The claimed peptides may be used to inhibit the binding of hurr to coagulation factor VII/VIIa in vivo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A DNA segment with a nucleotide sequence from about 130 to about 918 of the sequence given here is claimed. Also claimed are antibodies which immunoreact with hurFH and the claimed peptides (given in AAP80713). The antibodies may be used in immunoassays for detection of hurFH. The claimed peptides may be used to inhibit the binding of hurF to coagulation factor VII/VIIa in vivo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence encoding complete mature and precursor forms of human tissue
                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               factor heavy chain proteins (huTFh & pre-huTFh, respectively).
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human tissue factor detection.
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                                                                                                                                                Sequence 3 BP; 0 A; 0 C; 0 G; 0 T; 3 cther;
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130..921
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Disclosure; ; pp; English.
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Matches 1; Conservative
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AAN80743/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Protein inhibitors of serine proteinase(s), e.g. furin, derly. from turkey ovomucoid third domain - used as laboratory reagents to study the proteinase(s), or as chemotherapeutic agents treat diseases associated with them
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OWTKV3; turkey ovomucoid third domain peptide inhibitor;
furin inhibitor; protease inhibitor; pE22318.thy2; probe;
Escherichia coli; ss.
                                                                    0; Indels
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Query Match 0.0%; Score 0; DB 9; Best Local Similarity 100.0%; Pred. No. 0; Matches 1; Conservative 0; Mismatches
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96WO-US02108

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16-FEB-1996;
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furin inhibitor; protease inhibitor; pEZZ318.thy2; probe;
Escherichia coli; ss.
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                                                                                                                                         Engebraaten O, Fodstad O, Hovig E, Maelandsmo GJ;
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                                                                                                                                                                                                                                                                                     Synthetic oligo:nucleotide(s) inhibiting CAPL gene expression -
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                                                                                                                                                                                                                                                                                                                    useful to inhibit metastatic cancer, partic. osteosarcoma
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Best Local Similarity 0.0%; Pred. No. 0;
Matches 0; Conservative 0; Mismatches
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                                                                                (NORA-) NORWEGIAN RADIUM HOSPITAL RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3 BP; 0 A; 1 C; 1 G; 1 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                            Claim 2; Page 56; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 2; Page 56; 70pp; English.
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95US-0391375.
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                                                           (HYBR-) HYBRIDON INC
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                                                                                                                                                                                                                             WPI; 1996-393400/39.
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17-FEB-1995;
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                                                                                                                                                                        /on Hofe E;
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                                                                                                                                            Agrawal S,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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Sequence 3 BP; 0 A; 0 C; 3 G; 0 U; 0 other;

genes of the present invention.

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The present invention relates to human and murine cDNAs from a neurosessory defect associated gene family. The novel cDNAs are mouse tub form I (see AAA94630), human TUB form I (see AAA94631), human TUB form 6 (see AAA94632), human TULP2 (see AAA94633), 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mammalian proteins expressed in retina and brain, useful for producing
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Novel antisense oligonucleotides capable of inhibiting CAPL gene expression may include the trinucleotide dGOC (ART33326, given in 5' to 3' direction) found in codon 14 of CAPL mRNs. These and other antisense oligonucleotides (AAT3337-36) complementary to specific regions of the CAPL gene (see also AAT3335), as well as CAPL-specific ribozymes (AAT3337-40) can be administered to a patient as a means of inhibiting metastatic cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; TULP; neurosensory defect; retina; retinal dystrophy; probe;
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Matches 0; Conservative 0; Mismatches
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neurosensory defect associated gene family. The novel CDNAs are mouse tub form I (see AAA94629), mouse tub form II (see AAA94630), human TUB form II (see AAA94630), human TUBP (see AAA94635), human TULP2 (see AAA94635), human TULP3 (see AAA94635), human 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mammallan proteins expressed in retina and brain, useful for producing antibodies and for diagnosing neurosensory defects including cochlear degeneration, peripheral retinal degeneration and cone-rod retinal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to human breast cancer expressed polynucleotides AAADA7089) and methods of assessing whether a patient is affilicted with breast cancer by examining the correlation between the expression of certain markers and the cancerous state of breast cells.
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24-WAR-2000; 2000US-0192099.
29-WAR-2000; 2000US-0193480.
15-WAY-2000; 2000US-0205230.
09-UUN-2000; 2000US-021315.
25-UUL-2000; 2000US-0220534.
                                                                                                                                                                                                                                                                      AAL20244 standard; cDNA; 3 BP.
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                                                                                                                                                                                                                                                                                                                                                                              07-DEC-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Conservative
                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-451856/48.
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  Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-JUL-2001
                                                                                                                                                                                                                                                                                                                          AAL20244;
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                                                                                                                                 3 C 3
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AAL20244
ID AAL202
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                               Matches
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Db Qγ

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The invention relates to human breast cancer expressed polynucleotides AAALOSO99) and methods of assessing whether a patient is afflicted with breast cancer by examining the correlation between the expression of certain markers and the cancerous state of breast cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The polynucleotides and encoded polypeptides are potential markers for detecting, diagnosing, monitoring, characterising treating and potentially preventing breast cancer. The polynucleotides and encoded polypeptides are also useful for isolating compounds with cytostatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New peptide useful as a marker for the diagnosis of breast cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Basic; fibroblast growth factor; bFGF; stem-loop structure; bubble structure; pseudoknot; receptor; heparin; competition; inhibition; enhance; neovascularisation; solid tumour; cancer; metastasis; diagnosis; gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.0%; Score 0; DB 22; Length 3; 0.0%; Pred. No. 0; Usmatches 1; Indels tve 0; Mismatches 1; Indels
                                          Human breast cancer expressed polynucleotide 12701.
                                                                            Human; breast cancer; cell marker; cytostatic; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3 BP; 1 A; 1 C; 0 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                          (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  bFGF binding oligomer core sequence #1.
                                                                                                                                                                                                                                                                                                                                                                                                          Lillie J, Xu Y, Wang Y, Steinmann K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; Page 2245; 3695pp; English.
                                                                                                                                                                                                                                                      14 - MAR. - 2000; 2000US - 0189167.
24 - MAR. 2000; 2000US - 0192099.
29 - MAR. - 2000; 2000US - 0193480.
15 - MAY - 2000; 2000US - 0205330.
09 - UUN - 2000; 2000US - 021315.
25 - JUL - 2000; 2000US - 0220534.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAQ81664 standard; RNA; 4 BP
                                                                                                                                                                                                          10-JAN-2001; 2001WO-US00798
                                                                                                                                                                                                                                            14-JAN-2000; 2000US-0176077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best_Local Similarity 0.0%;
Matches 0; Conservative
              07-DEC-2001 (first entry)
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                                                                                                                                            WO200151628-A2
                                                                                                              Homo sapiens.
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18-JUN-1993; 07-JAN-1994; 17-JUN-1994;

05-JAN-1995

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The sequences given in AAQ81642-95 are oligonucleotides which modulate the activity of basic fibroblast growth factor (bFGF) by binding to the bEFE protein. Most easp, the sequences given in AAQ81664-67 represent core sequences of which at least one is present in each of the binding oligos. These oligonucleotides may form a single strand, as trand, a stem-loop structure, a bubble structure, a pseudoknot or a closed, circular structure. bFGF binds to high affinity receptor and low affinity heparin-like molecules on the cell surface. These oligonucleotides bind to bFGF in competition.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cell surface. These oligonucleotides bind to bFGF in competition with its receptor and heparin. These oligonucleotides may inhibit one enhance the activity of bFGF. Particularly, they inhibit neovascularisation so they can be used to suppress growth of solid tumours and to reduce the risk of metastasis. They can be used as diagnostic reagents to determine the presence of thrombin, or used in
                                                                                                                                                               New oligo-nucleotide(s) that bind to basic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Basic; fibroblast growth factor; bFGF; stem-loop structure; bubble structure; pseudoknot; receptor; heparin; competition; inhibition; enhance; neovascularisation; solid tumour; cancer; metastasis; diagnosis; gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'Match 0.0%; Score 0; DB 16; Length 4; Local Similarity 0.0%; Pred. No. 0; local Similarity 0.0%; Pred. No. 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4 BP; 0 A; 1 C; 2 G; 1 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     bFGF binding oligomer core sequence #2.
                                                                                                                                                                                                                                                                    Claim 3; Page 25; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAQ81665 standard; RNA; 4 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94WO-US06884.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-SEP-1995 (first entry)
                       (PHAR-) PHARMAGENICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PHAR-) PHARMAGENICS INC.
                                                                  Beutel BA, Joesten ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beutel BA, Joesten ME;
                                                                                                                  WPI; 1995-051992/07.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The sequences given in AAQB1642-95 are oligonuclectides which modulate the activity of basic fibrobiast growth factor (bFGF) by binding to the bFGF protein. Wost esp. the sequences given in AAQB1664-67 represent core sequences of which at least one is present in each of represent core sequences of which at least one is present in each of the binding oligos. These oligonuclectides may form a single the binding oligos. These oligonuclectides may form a single strand, double strand, a stem-loop structure, a bubble structure, a pseudoknot or a closed, circular structure. BFGF binds to high a finity receptor and low affinity heparin-like molecules on the call surface. These oligonuclectides bind to bFGF in competition with its receptor and heparin. These oligonuclectides may inhibit neovascularisation so they can be used to suppress growth of solid tumours and to reduce the risk of metastasis. They can be used as a diagonal content of the presence of thrombin, or used in
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                                                                                                                                                                                                                                                                                                                              New oligo-nucleotide(s) that bind to hasic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis.
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Pred. No. 0;
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Best Local Similarity 0.0%; Pred. No. 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bFGF binding oligomer core sequence #1.
                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 3; Page 25; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAO81664 standard; RNA; 4 BP.
                                                                                                          93US-0079677.
94US-0179491.
                                                             94WO-US06884.
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                                                                                                                                                                               (PHAR-) PHARMAGENICS INC.
                                                                                                                                                                                                                                    Beutel BA, Joesten ME;
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gene therapy.

ö a 17-JUN-1994;

WO9500528-A 05-JAN-1995

Synthetic.

AAQ81664;

RESULT 14

07-JAN-1994; 18-JUN-1993;

The sequences given in AAQB1642-95 are oligonucleotides which modulate the activity of basic fibrobiast growth factor (bFGF) by binding to the bFGF protein. Wost esp. the sequences given in AAQB1664-67 represent core sequences of which at least one is present in each of the binding oligos. These oligonucleotides may form a single strand, double strand, a stem-loop structure, a bubble structure, a pseudoknot or a closed, circular structure. BFGF binds to high a pseudoknot or a closed, circular structure. BFGF binds to high a pseudoknot and low affinity heparin-like molecules on the cell structure and low affinity heparin-like molecules on the with its receptor and heparin. These oligonucleotides may inhibit or enhance the activity of bFGF. Particularly, they inhibit concascularisation so they can be used to suppress growth of solid tumours and to reduce the risk of metastasis. They can be used as the concascularisation to determine the presence of thrombin, or used in New oligo-nucleotide(s) that bind to basic fibroblast growth factor - modulating, esp. inhibiting, its activity, useful in treating cancer, preventing metastasis, and diagnosis. Claim 3; Page 25; 44pp; English. gene therapy.

Sequence 4 BP; 0 A; 2 C; 1 G; 1 U; 0 other;

0; Gaps 1; Indels Query Match 0.0%; Score 0; DB 16; Length 4; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels 1 n 1 οy

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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11 2 0 0.0 6 6 0 0.0 7 0 0.0 11 10 11 11 12 13 14 10 10 10 11 11 12 13 14 16 17 18 19 10 10 10 10 10 10 10 10 10 10	2 ¦	;	Match	Length	DB	QI .	Description
2 0 0.0 1 5 PCT-US93-(0977 4 0 0.0 2 1 US-08-268-6799 5 0 0.0 2 1 US-08-467-2744 6 0 0.0 2 1 US-08-457-2744 7 0 0.0 2 1 US-08-484-192- 10 0 0.0 2 1 US-08-484-192- 11 0 0.0 2 2 US-08-726-4648 12 0 0.0 2 2 US-08-726-4648 13 0 0.0 2 2 US-08-726-4648 14 0 0.0 2 2 US-08-726-4648 15 0 0.0 2 2 US-08-726-4648 16 0 0.0 2 2 US-08-726-4648 17 0 0.0 2 4 US-09-117-902- 18 0 0.0 2 4 US-09-117-902- 19 0 0.0 2 4 US-09-111-862A 21 0 0.0 2 4 US-09-411-862A 22 0 0.0 2 4 US-09-411-862A 23 0 0.0 2 4 US-09-411-862A 24 0 0.0 2 4 US-09-411-862A 25 0 0.0 2 5 PCT-US95-C5758 26 0 0.0 3 1 US-07-771-213D 27 0 0.0 3 1 US-07-771-213D		1 0	0.0	-1	. 2	PCT-US93-(10977-702	Sequence 702. App
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7 0 0.0 2 1 US-08-484-192- 9 0 0.0 2 2 US-08-784-192- 10 0.0 2 2 US-08-726-464B 11 0 0.0 2 2 US-08-726-464B 12 0 0.0 2 2 US-09-1016-520- 13 0 0.0 2 3 US-09-1016-520- 14 0 0.0 2 4 US-09-130-973- 15 0 0.0 2 4 US-09-130-973- 16 0 0.0 2 4 US-09-147-902- 17 0 0.0 2 4 US-09-141-862A 21 0 0.0 2 4 US-09-411-862A 22 0 0.0 2 4 US-09-411-862A 23 0 0.0 2 4 US-09-411-862A 24 US-09-411-862A 25 0 0.0 2 4 US-09-411-862A 26 0 0.0 2 5 PCT-US95-C5758 27 0 0.0 2 5 PCT-US95-C5758 28 0 0.0 3 1 US-07-791-213D	υ	9	0.0	7	-	57	16.
8 0 0.0 2 1 0S-08-464-197- 10 0 0.0 2 2 0S-08-756-4648 11 0 0 0.0 2 2 0S-08-756-4648 11 0 0 0.0 2 2 0S-08-756-4648 11 0 0 0.0 2 3 0S-09-016-520- 11 0 0 0.0 2 4 0S-09-130-973- 15 0 0.0 2 4 0S-09-130-973- 16 0 0.0 2 4 0S-09-130-973- 17 0 0.0 2 4 0S-09-131-08-78- 18 0 0.0 2 4 0S-09-411-86-78- 21 0 0.0 2 4 0S-09-411-86-78- 22 0 0.0 2 4 0S-09-411-86-78- 23 0 0.0 2 4 0S-09-411-86-78- 24 0 0.0 2 5 PCT-US95-C57-88 25 0 0.0 2 5 PCT-US95-C57-88 27 0 0.0 3 1 0S-07-791-2130		7 0	0.0	7	7	-08-484	16,
9 0 0.0 2 2 US-08-726-4648 11 0 0.0 2 2 US-08-726-4648 11 0 0.0 2 3 US-09-106-520- 13 0 0.0 2 3 US-09-106-520- 13 0 0.0 2 4 US-09-130-973- 14 0 0.0 2 4 US-09-130-973- 15 0 0.0 2 4 US-09-177-902- 18 0 0.0 2 4 US-09-177-902- 19 0 0.0 2 4 US-09-171-8628- 21 0 0.0 2 4 US-09-111-8628- 22 0 0.0 2 4 US-09-411-8628- 23 0 0.0 2 4 US-09-411-8628- 24 0 0.0 2 4 US-09-411-8628- 25 0 0.0 2 4 US-09-411-8628- 26 0 0.0 2 5 PCT-US9-C5758- 27 0 0.0 2 5 PCT-US9-C5758- 28 0 0.0 2 5 PCT-US9-C5758- 29 0 0.0 3 1 US-07-791-2130- 20 0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	υ	8	0.0	7	ч	US-08-484-192-16	16.
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11 0 0.0 2 3 0S-09-016-520- 13 0 0.0 2 4 0S-09-016-520- 14 0 0.0 2 4 0S-09-106-520- 15 0 0.0 2 4 0S-09-130-973- 16 0 0.0 2 4 0S-09-130-973- 17 0 0.0 2 4 0S-09-177-902- 18 0 0.0 2 4 0S-09-177-902- 19 0 0.0 2 4 0S-09-11-862A- 21 0 0.0 2 4 0S-09-11-862A- 22 0 0.0 2 4 0S-09-11-862A- 23 0 0.0 2 4 0S-09-11-862A- 24 0 0.0 2 5 PCT-US95-C5/58 25 0 0.0 2 5 PCT-US95-C5/58 26 0 0.0 3 1 0S-07-791-213D	ი 1	0	0.0	7	7	US-08-726-464B-28	Sequence 28, Appl
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16 0 0.0 2 4 0S-09-477-902- 17 0 0.0 2 4 US-09-477-902- 18 0 0.0 2 4 US-08-561-024 19 0 0.0 2 4 US-09-411-862A 21 0 0.0 2 4 US-09-411-862A 22 0 0.0 2 4 US-09-411-862A 23 0 0.0 2 4 US-09-411-862A 24 0 0.0 2 5 PCT-US95-C5758 25 0 0.0 2 5 PCT-US95-C5758 26 0 0.0 3 1 US-07-791-213D 27 0 0.0 3 1 US-07-791-213D	_	2	0.0	7	4	US-09-477-902-35	35.
17 0 0.0 2 4 US-08-361-024-024-024-024-024-024-024-024-024-024	c 1	9	0.0	7	4	US-09-477-902-35	35,
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22 0 0.0 2 4 US-09-411-862A 23 0 0.0 2 5 PCT-US95-(5758 24 0 0.0 2 5 PCT-US95-(5758 25 0 0.0 3 1 US-07-791-213D 26 0 0.0 3 1 US-07-791-213D 27 0 0.0 3 1 US-07-791-213D	(1)	0	0.0	7	4	US-09-411-862A-16	16,
23 0 0.0 2 5 PCT-US95-(5758 24 0 0.0 2 5 PCT-US95-(5758 25 0 0.0 3 1 US-07-791-213D 27 0 0.0 3 1 US-07-791-213D 27 0 0.0 3 1 US-07-791-213D	0	0	0.0	7	4	US-09-411-862A-16	16,
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7.791-213D-62 8.268-679B-7 8.268-679B-7 8.295-743-22 8.602-036A-2 8.602-036A-2 8.602-036A-2 8.293-150A-46 8.293-150A-62 8.293-150A-62 8.293-150A-62 8.293-150A-62 8.293-150A-62 8.642-407A-2 8.642-407A-2 8.642-407A-2 8.642-407A-2 8.642-407A-2 8.642-407A-2 8.642-407A-2	ALIGNMENTS	, an ixte	No. 0; Smatches		
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SOURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/268,679B
FTIING DATE: 30-JUN-1994
APPLICATION NUMBER: US/08/268,679B
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FILING DATE: 30-JUN -
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07\846,914
APPLICATION 10\868.1992
"TING DATE: 06-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
WEDIUM TYPE: FLOPPY DISK
COMPUTER: TBM FC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
               FILING DATE: 30-UNN-1994
PROR APPLICATION DATA:
APPLICATION NUMBER: 07\846,914
FILING DATE: 06-WAR-1992
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 435
APPLICATION NUMBER: 07/719,761
FILING DATE: 24-UIN-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 8, Application US/08268679B
; Patent No. 5674729
                                                                                                                          APPLICATION NUMBER: 07\719,761 FILING DATE: 24-JUN-1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WORD PERFECT # 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DESCRIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 086
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                     TELEPHONE: (212) 758-4800
TELERAX: (212) 751-6849
TELEX: 421792
INPORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; POSITION IN GENOME: N.A. US-08-268-679B-8
                                                                                                                                                                                          NAME: MARIA C.H. LIN
                                                                                                                                                                                                                                                                                                                                                                                                                          SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MARIA C.H. LIN
                                                                                                                                                                                                            REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORIGINAL SOURCE: N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                             UNKNOWN
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NEW YORK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            YES
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                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-268-679B-8/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           δ
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                                        Sequence 702, Application PC/TUS9300977; GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.0%; Score 0; DB 5; Length 1; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indel.
                                                                                                                                               SEE: Knobbe, Martens, Olson, and Bear
: 620 Newport Center Dr. Sixteenth Floor
Newport Beach
                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/00977
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: WIMMER, ECKARD; MOLLA,
APPLICANT: AKHTENGZAMAN: PAUL, ANIKO V.
TITLE OF INVENTION: DE NOVO CELL-FREE
TITLE OF INVENTION: SYNTHESIS PICORNAVIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
REFERENCE/POCKET UNBER: HITACHI.006H
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 8, Application US/08268679B; Patent No. 5674729; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                702:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: CDNA to mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           345 PARK AVE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    double
                                                                                                        NUMBER OF SEQUENCES: 71
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
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NEW YORK
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      RESULT 2
PCT-US93-00977-702/C
                                                                                                                                                                                                                                       USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCT-US93-00977-702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HYPOTHETICAL:
                                                                                                                                                                                                                                                         92660
                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-268-679B-8
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0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: DE NOVO CELL-FREE
TITLE OF INVENTION: SYNTHESIS PICORNAVIRUS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
STREEFER. MORGAN & FINNEGAN I
29,323
FR: 0887-4095 US2
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STRAIN: Learn-PyR

BEVELOPMENTAL STAGE: Adult
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Chromosome 1
US-08-457-274A-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14603
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APPLICANT: Townita, Takashi
TITLE OF INVENTION: Cytochrome P4501rr Gene and Its Uses
NUMBER OF SEQUENCES: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                           l; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indel:
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APPLICATION NUMBER: US/08/457,274A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19603/240 (D-1519)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Nixon, Hargrave, Devans & Doyle
STREET: P.O. Box 1051, Clinton Square
CITY: Rochester
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 0887-4095 USZ
TELECOMMULCATION INFORMATION:
TELEPHONE: (212) 758-4800
TELERAX: (212) 751-6849
TELERAX: 42192
INFORMATION FOR SED IN 0: 8:
SEQUENCE CHARACTERISTICS:
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; GENERAL INFORMATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603
TELEPHONE: 716-263-1304
TELEPHONE: 716-263-160
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                       DESCRIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Musca domestica
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                                                                                                                                                                                                                                                                                                              ORIGINAL SOURCE: N.A.
POSITION IN GENOME: N.A.
US-08-268-679B-8
                                                                                                                                                                                                     SINGLE
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EDNESS: double
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                                                                                                                                                                              NUCLEIC ACID
                                                                                                                                                                                                                    FOPOLOGY: UNKNOWN
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                                                                                                                                                                                                                                                                                               ANTI-SENSE: YES
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APPLICANT: Tomita, Takashi
TITLE OF INVENTION: Cytochrome P450lpr Gene and Its Uses
CORRESPONDENCE ADDRESS:
                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
Query Match 0.0%; Score 0; DB 1; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indel:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,274A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:

NAME: Goldman, Michael L.

REGISTRATION UNBER: 30,724 (D-1519)

REPERENCE/DOCKET UNMBER: 19603/240 (D-1519)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 716-263-1304

TELEPHONE: 716-263-1600

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Nixon, Hargrave, Devans & Doyle
STREET: P.O. Box 1051, Clinton Square
CITY: Rochester
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DEVELOPMENTAL STAGE: Adult
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Chromosome 1
                                                                                                                                                                                                                                                               Sequence 16, Application US/08457274A
Patent No. 5734086
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Musca domestica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 2 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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HYPOTHETICAL: NO
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Sequence 28, Application US/08726464B
Patent No. 5922546
GENERAL INFORMATION:
APPLICANT: BARRETT, Ronald W.
APPLICANT: CWIREA, William J.
APPLICANT: CWIREA, Steven A.
APPLICANT: WRIGHTON, Nicholas C.
APPLICANT: WRIGHTON, Nicholas C.
APPLICANT: DUFFIN, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/934,387
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                               ADDRESSEE: MORRISON & FOERSTER STREET: 755 PAGE MILL ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: GRACEY, NANCY J. REGISTRATION NUMBER: 28,216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-813-5600
TELEFAX: 415-494-0792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELERAX: 415-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 16:
LEUNG, LAWRENCE
                                                                                                                                                                                                                                                                                                        Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER:
                                      VERMAAS, ERIC
TOOLE, JOHN J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 2 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
                                                                                                                                           CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                        PALO ALTO
CALIFORNIA
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                                                                                                                                                                                                                                                                    94304
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                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                  COUNTRY:
APPLICANT:
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CTHER INFORMATION: /note= "This is a biotin-17

OTHER INFORMATION: nucleotide stretch of abasic residues."
US-08-484-192-16
                                                                                                                                                                 APPLICANT: ALBRECHT, GLENN
APPLICANT: LATHAM, JOHN
APPLICANT: LATHAM, JOHN
APPLICANT: VERMAAS, ERIC
APPLICANT: TOOLE, JOHN
TITLE OF INVENTION: APTAMERS SPECIFIC FOR BIOMOLECULES AND
TITLE OF INVENTION: METHODS OF MAKING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
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APPLICATION NUMBER: US/08/484,192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/934,387
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-484-192-16/c
; Sequence 16, Application US/08484192
; Patent No. 5756291
                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
                                                            US-08-484-192-16; Sequence 16, Application US/08484192; Patent No. 5756291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28,216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 246
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-813-5600
TELEFAX: 415-494-0792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: GRIFFIN, LINDA C.
APPLICANT: ALBRECHT, GLENN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 16: SEQUENCE CHARACTERISTICS:
                                                                                                                  GENERAL INFORMATION:
APPLICANT: GRIFFIN, LINDA C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: GRACEY, NANCY J. REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 2 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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CALIFORNIA
                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
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Gaps
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LOCATION: replace[1, "")
OTHER INFORMATION: //note- "This is a biotin-17
OTHER INFORMATION: nucleotide stretch of abasic residues."
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TITLE OF INVENTION: APTAMERS SPECIFIC FOR BIOMOLECULES AND TITLE OF INVENTION: METHODS OF MAKING NUMBER OF SEQUENCES: 181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,192
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APPLICANT: DOWER, William J.
APPLICANT: CWIRLA, Steven A.
APPLICANT: CWIRLA, Steven A.
APPLICANT: WRIGHTON, Nicholas C.
APPLICANT: WRIGHTON, Nicholas C.
APPLICANT: WAGSTROM, Christopher R.
TITLE OF INVENTION: PREPTIDES AND COMPOUNDS THAT BIND TO THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.0%; Score 0; DB 2; Length 2; Best Local Similarity 0.0%; Pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                              PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37 330
REFERENCE/DOCKET NUMBER: 16528A-024100
TELECOMMUNICATION INFORMATION:
TELEPAN: 415/576-0200
TELEPAN: 415/576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND AND TOWNSEND AND CREW
STREET: Two Embarcadero Center, 8th. Floor
                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726,464B
FILING DATE: 04-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/726,464B
FILING DATE: 04-OCT-1996
                                                                                                  ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , compared 28, Application US/08726464B ; Patent No. 5932546 ; GRNPAR ....
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COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
             STREET: TWO Enteres CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 2 base pairs
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California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
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                                                                                                                                                                                                                                                                        FILING DATE: 04
CLASSIFICATION:
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CLASSIFICATION:
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                                                                                                                                                                                                              SOFTWARE:
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APPLICANT: Mancharan, Muthiah
APPLICANT: Mancharan, Muthiah
APPLICANT: Kawasaki, Andrew
TITLE OF INVENTION: Anincoxy-Modified Oligonuclectides
FILE REFERENCE: ISISSB24
CURRENT APPLICATION NUMBER: US/09/016,520A
CURRENT FILING DATE: 1998-01-30
ERRIER FILING DATE: 1998-702-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PatentIn Ver. 2.1
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APPLICANT: COOK, Phillip D
APPLICANT: Manoharan, Muthiah
APPLICANT: Rawasaki, Andrew
TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . LOCATION: (1)..(2)
. OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-35
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 16528A-024100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/576-0200
TELEPHONE: 415/576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 35, Application US/09016520A Patent No. 6127533
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                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: nucleic acid
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                               SEQ ID NO 35
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APPLICANT: Cook, Phillip Dan
APPLICANT: Cook, Phillip Dan
APPLICANT: Prakash, Thazha P
APPLICANT: Rawasaki, Andrew M
TITLE OF INVENTION: Mahdrew M
TITLE OF INVENTION: Making Same
FILE REFERENCE: 1SIS255 CURRENT FILING DATE: 198-08-07
KURRENT APPLICATION NUMBER: US/09/130,973
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patentin Ver. 2.1
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CTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DWAOE);
CTHER INFORMATION: Description of Artificial Sequence: No. 6172209e1
US-09-130-973-35
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                                                                                                                                                                                                                                                                                                                                                      ; LOCATION: (1)..(2); OTHER INPORMATION: 5-methyl-2'-dimethylaminooxyethoxy Us-09-016-520-35
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/016,520A
; CURRENT FILING DATE: 1998-01-30
; EARLIER APPLICATION NUMBER: 60/037,143
EARLIER FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 35, Application US/09130973 Patent No. 6172209
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                                                                                                                                                                                                                                                                                           INFORMATION: Sequence
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US-09-130-973-35
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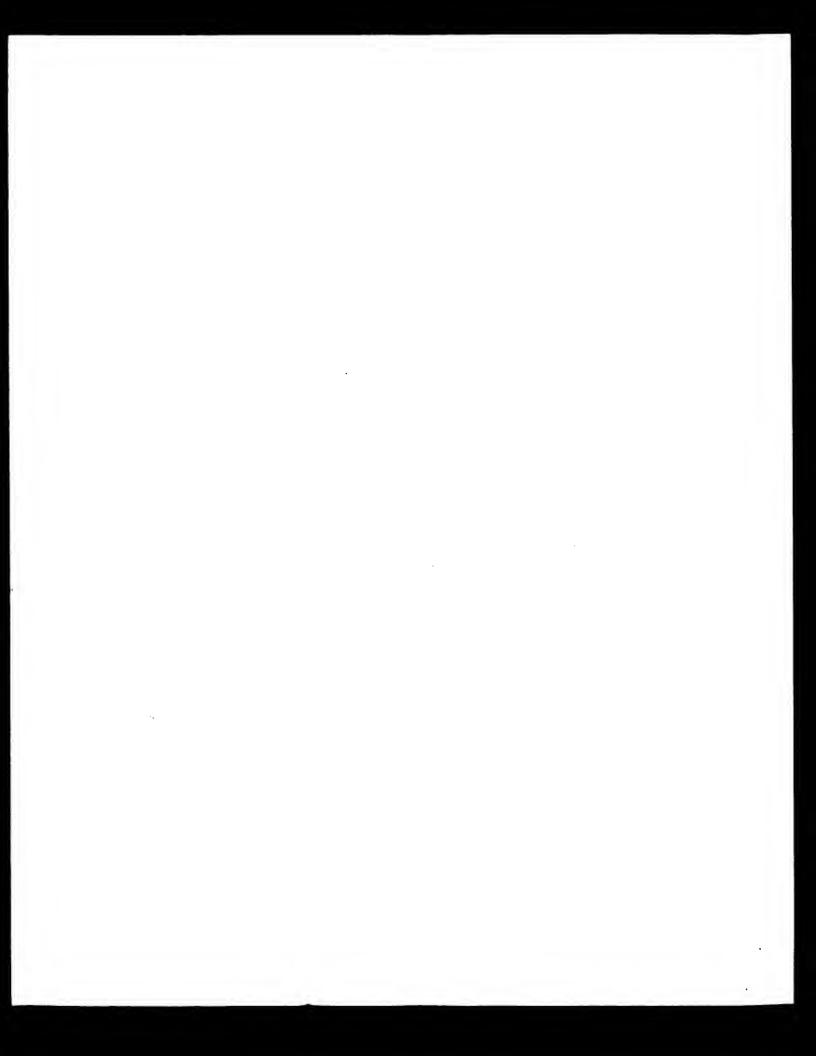
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APPLICANT: Manoharan, Muthiah
APPLICANT: Cook, Phillip Dan
APPLICANT: Prakash, Thazha P
APPLICANT: Rawasaki, Andrew M
TITLE OF INVENTION: Aminoxy-Modified Oligonucleotides And Methods For
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COCATION: (1). (2) OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE) OTHER INFORMATION: Description of Artificial Sequence: No. 6172209el OTHER INFORMATION: Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Cook, Phillip D
APPLICANT: Cook, Phillip D
APPLICANT: Mancharan, Muthhah
APLICANT: Kawasaki, Andrew
TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
FILE REFERENCE: ISIS2804
CURRENT APPLICATION NUMBER: US/09/477,902
CURRENT APPLICATION NUMBER: 09/016,520
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: LOCATION: (1)...(2)
: OTHER THFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-477-902-35
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Matches 0; Conservative 0; Mismatches
                                                                                                                                                                  FILE REFERENCE: 1512,9955
CURRENT APPLICATION NUMBER: US/09/130,973
CURRENT FILING DATE: 1998-08-07
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PATENTIN VET. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT FILING DATE: 2000-01-05
PRIOR APPLICATION UNBER: 09/016,520
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION UNMER: 60/037,143
PRIOR FILING DATE: 1997-02-14
WUMBER OF SEQ ID NOS: 47
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; Patent No. 6194598
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NUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin Ver. 2.1
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Search completed: August 24, 2002, 21:57:39 Job time: 21597 sec



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August 24, 2002, 21:19:26; Search time 4810.92 Seconds (Without alignments) 50.499 Million cell updates/sec
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

gb_gss:* em_gss_hum:* em_gss_inv:*

9: 110: 112: 13: 14: 16:

gb_est2:* gb_htc:*

em_estpl:*
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em_htc:*

em_gss_pln:* em_gss_vrt:* SUMMAR1:ES

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Result		Query				
٠ ا	Score	Match	Match Length DB	80	CI	Description
-	0	0.0	П	7	HSM001740	Aloga Homo
°	0	0.0	1	7	HSM001740	HOHO
æ	0	0.0	1	7	HSM003869	3 Homo
Ω 4	0	0.0	1	7	HSM003869	HOMO
ស	0	0.0	1	7	HSM005008	2 Homo
9 0	0	0.0	1	7	HSM005008	HOHO
7	0	0.0	1	7	HSM011115	HOHO
8	0	0.0	1	7	HSM011115	HOME
6	0	0.0	П	~	HSM011270	HOM
c 10	0	0.0	Т	~	HSM011270	HOMO
11	0	0.0	1	~	HSM011922	Homo
c 12	0	0.0	1	7	HSM011922	Homo
13	0	0.0	П	10	BI416880	0 hasn
c 14	0	0.0	7	10	B1416880	
15	0	0.0	7	10	B1817896	
c 16	0	0.0	1	10	B1817896	
17	0	0.0	1	12	BE401958	CSBOOSE

#E401958 CSB002H12 #E402349 CSB007A07 #E402351 CSB007A07 #E402351 CSB007A09 #E402374 CSB007C08 #E402374 CSB007C08 #E402374 CSB007C08 #E402520 CSB008G10 #E402580 CSB009B10 #E402580 CSB009B10 #E402580 CSB009B10 #E402700 CSB011F09 #E402803 CSB011F09 #E402803 CSB011F09 #E402803 CSB011F09 #E402803 CSB011F09 #E40464 925008G02 #E441684 92500		on 1) (from clone DKF2p564L2071)	Vertebrata; Euteleostomi; Mammali, e; Homo. 8 W., Gassenhuber J., Wiemann S.;	6, 6,
BE4 01958 BEA 02349 BEA 02349 BEA 02351 BEA 02374 BEA 02374 BEA 02374 BEA 02374 BEA 02374 BEA 02376 BEA 02376 BEA 02377 BEA 02377 BEA 02377 BEA 02377 BEA 02700 BEA 02	ALIGNMENTS	1 BP. sted, Versi	Craniata; ii; Hominida idt P., Mewe	spitz 18a D-82152 Martinsried, GERMANY emann, sequenced by GBF within the CDN rilum of the German Genome Project vailable allable at the RZPD in Berlin he RZPD: Ressourcenzentrum, Heubnerweg hourg, GERMANY; Email: clone@rzpd.de Location/Qualifiers 11 /db_xref="taxon:9606" /corganism="Homo sapiens" /clone="DKFZp564L2071" /clone="DKFZp564L2071"
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eutheria; Primates; Catarrhini; Hominidae; Homo
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     No rl sequence available
This clone is available at the R2PD in Berlin
Please contact the R2PD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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nilarity 0.0%; Pred. No. 0;
Conservative 0; Mismatches 1; Indels
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
X1-2blue; sites NotI + SalI"
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                                                                            Sequence 1 BP; 0 A; 1 C; 0 G; 0 T; 0 other;
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                            /clone_lib="434 (synonym: htes3). Vector pSportl; host DH10B; sites Not1 + Sal1"
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                              Duesterhoeft A., Lauber J., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                 Clone from S. Wiemann, sequenced by Qiagen within the cDNA sequencing consortium of the German Genome Project I sequence also available This clone is available at the RZPD in Berlin Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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Please contact the RZPD: Ressourcenzertrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                 Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases. MIPS, Am Klopferspltz 18a D-82152 Martinsried, GERMANY
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostoml; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Matches 0; Conservative 0; Mismatches
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom1; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                       Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/tissue_type="testis"
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Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                                                                                                                                     Koehrer K., Beyer A., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                                                                                                            Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
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EST; expressed sequence tag.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom1; Mammalia;
Eutheria; Primates; Catarrhin1; Hominidae; Homo.
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DH10B; sites Not1 + Sal1"
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Matches 0; Conservative 0; Mismatches
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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MIPS, Am Klopferspitz 18a D-82152 Martinsried, GERMANY
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 Query Match 0.0%; Score 0; DB 2; Length 1; Best Local Similarity 0.0%; pred. No. 0; Matches 0; Conservative 0; Mismatches 1; Indel:
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12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Matches 0; Conservative 0; Mismatches
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ID HSW011922 standard; RNA; EST; 1 BP.
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/dev_zasge="adult" + AlI"
/tissue_type="testis"
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DH10B; sites NotI + SalI"
/dev_stage="adult"
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Piease contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                            Location/Qualifiers
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/note="Vector: pr-Adv; Site_1: EcoRI; The subtractive hybridization cDNA library was constructed from scots pine roots infected for 6-days with mycella of Heterobasidon annosum (FPP)."

l others
                                                                                                                                                                                                                      /dev_stage="Seedling roots of scots pine were infected for 6 days with H. annosum /note="Vector: pT-Adv; Site_1: EcoRI; The subtractive hybridization cDNA library was constructed from scots pine roots infected for 6-days with mycelia of
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                                                                                                                                       /clone="hasp002xj20f"
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Pinus sylvestris/Heterobasidion annosum
Eukaryota, mixed EST libraries.

1 (bases 1 to 1)
Asiegbu,F.O., Nahalkova,J., Choi,W., Stenlid,J. and Dean,R.A.
Expressed sequence tags of randomly selected cDNA clones from the interaction of the root rot fungus (Heterobasidion annosum) with seedling roots of Scots pine (Pinus sylvestris)
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Dept. of Forest Mycology & Pathology
Swedish University of Agriculture, Box 7026,S-750 07, Uppsala,
                                                                                    /organism="Pinus sylvestris/Heterobasidion annosum"
/db_xref="taxon:169015"
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Best Local Similarity 100.0%; Pred. No. 0;
1. Conservative 0; Mismatches
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Email: Fred.Asiegbu@mykopat.slu.se
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                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B1416880 1 bp mRNA linear EST 15-AUG-2001 hasp002x;20f Heterobasidion annosum - Scots pine infection stage subtraction cDNA library (hasp) Pinus sylvestris/Heterobasidion annosum cDNA clone hasp002x;20f, mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/clone="DKFZp586F0817"
/clone_lib="586 (synonym: hutel). Vector pSportl; host
DH10B; sites NotI + SalI/MluI"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Fred O. Åsiegbu
Dept. of Forest Mycology & Pathology
Swedish University of Agriculture, Box 7026,S-750 07, Uppsala,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                    Homo sapiens mRNA; EST DKF2p586P0817_rl (from clone DKF2p586P0817)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 No s1 sequence available
This clone is available at the R2PD in Berlin
Please contact the R2PD: Ressourcepzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de
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                                                                                                                                                                                                                                                                                                                                                                      Koehrer K., Beyer A., Mewes W., Gassenhuber J., Wiemann S.;
                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (12-MAR-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Clone from S. Wiemann, sequenced by {\rm BMFZ} within the cDNA sequencing consortium of the German Genome Project
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12-MAR-1999 (Rel. 59, Created)
12-MAR-1999 (Rel. 59, Last updated, Version 1)
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Fax: +46 18 30 92 45
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RS Voss,S.R., King,D., Maness,N., Smith,J.J., Rondet,M., Bryant,S.V.,
Gardiner,D.M. and Parichy,D.M.
Gardiner,D.M. and Parichy,D.M.
Expressed sequence tags from ar axolot1 limb regeneration library
Contact: Voss SR
Colorado State University
Fort Collins, CO 80523, USA
Tel: 970 491 4869
Fax: 970 491 0649
Email: srvoss@lamar.colostate.edu
Single pass sequence from 5' erd. Low quality sequence was trimmed
from the ends (PHRED error rate = 5%). Trace file available:
                                                                                                                 1 bp mRNA linear EST 04-OCT-2001 G3-O23 Axolot1 Lambda Zap Library Ambystoma mexicanum cDNA similar to Putative heterochromatin-like protein 1, mRNA sequence. B1817896.1 G1:15951508
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Amphibia; Batrachia; Caudata; Salamandroidea; Ambystomatidae;
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